حمل الآن

مجانا وحصريا

امتحانات رقم (1)







El-Moasser Final Examination Models

Model Exam 1

1 (A) Choose the correct answer :

1. Plants take .... from the air to make its own food.
   a. water   b. oxygen gas
   c. carbon dioxide gas   d. sugar
2. A community that includes living organisms and nonliving things is known as ....
   a. digestive system.   b. respiratory system.
   c. ecosystem.   d. vascular system.
3. When the marine habitats are destroyed, the number of living organisms in their food webs is ....
   a. increased.   b. decreased.   c. not changed.   d. doubled.
4. Some liquids come out from a .... during its eruption.
   a. star   b. wooden piece   c. volcano   d. plastic piece

(B) Give a reason for the following :

The roof of desert home is made of strong stones.

....

2 (A) Put (✓) or (✗) :

1. We can describe a solid matter by its color and shape. ( )
2. The mass and properties of oil will change when mixing it with vinegar. ( )
3. Particles of all matter are in a continuous motion. ( )
4. Xylem helps the plant to get water from the soil. ( )

(B) What happens if ...?

A plant is placed in a dark place for many days.

....

3 (A) Complete the following sentences :

1. Throwing plastic garbage and waste materials into a river causes water ....
2. Both .... organisms and .... organisms cannot produce their own food.
3. Without .... in the leaves of plants, gases can't move in or out of the plant.
4. Melting of wax is a .... change, while burning of wood is a .... change.

(B) Cross out the odd word :

1. Oil – Milk – Water – Wood. (.........................)
2. Roots – Stems – Leaves – Sunlight. (.........................)

Model Exam 2

1 (A) Complete the following sentences :

1. When we heat an ice cream, it .... and becomes liquid.
2. Digestion of food is considered as a .... change of matter.
3. We can use .... in making hammers because it is .... and strong.
4. You can use a .... to measure the mass of a matter, while you can use a .... to measure its temperature.

(B) What happens to ...?

The speed of particles of an ice cube when it is exposed to the Sun.

....

2 (A) Write the scientific term of each of the following :

1. It is the number of organisms of one type of species living in an area. (.........................)
2. The animal that is eaten by another animal. (.........................)
3. The liquid substance that plants, animals and human need to survive. (.........................)
4. A part of the plant that anchors it in the soil. (.........................)

(B) Give a reason for the following :

Human needs to eat some animals and plants.

....

....

3 (A) Choose from column (B) what suits it in column (A) :

(A)	(B)
1. Condensation	a. is the change of water from solid state to liquid state.
2. Melting	b. is the change of water from gas state to solid state.
3. Freezing	c. is the change of water from gas state to liquid state.
4. Evaporation	d. is the change of water from liquid state to gas state.
	e. is the change of water from liquid state to solid state.

1. .... 2. .... 3. .... 4. ....

(B) Correct the underlined words :

1. Due to rising of water temperature, coral reefs turn completely into <u>green</u>. (.........................)
2. Tree trunks are <u>climb</u> stems. (.........................)

Model Exam 3

1 (A) Put (✓) or (✗) :

1. Air enters plants through roots. ( )
2. All plants need the same way to disperse their seeds. ( )
3. If coral reefs are destroyed, many marine food chains will be destroyed. ( )
4. Vinegar and frozen vegetables have definite shape. ( )

(B) What happens if ... ?

A magnet is put close to an iron nail and a plastic spoon.

....

....

2 (A) Complete the following sentences using these words :

(overfishing – shelter – toxic – predator)

1. Healthy natural resources include clean air, healthy food, water and suitable ....
2. The human activity that directly decreases the marine population is known as ....
3. When a sea turtle eats a jellyfish, this means that the sea turtle is a .... living organism.
4. Plastic waste materials are very harmful to marine organisms, because they are .... and sharp.

(B) Correct the underlined words :

1. There are tiny holes on the <u>stem</u> to allow gases passes into the plant. (.........................)
2. Plant's <u>leaves</u> help it to be fixed in the soil. (.........................)

3 (A) Write the scientific term of each of the following :

1. It is a process by which a matter is changed from solid state to liquid state. (.........................)
2. The property of matter which is measured by the measuring cup. (.........................)
3. A model of the whole world that is made in the shape of a large ball. (.........................)
4. They are consumers which feed on secondary consumers. (.........................)

(B) Give a reason for the following :

Ice is turned into water when it is placed in a warm room.

....

....

Model Exam 4

1 (A) Write the scientific term of each of the following :

1. The process of producing new plants. (.........................)
2. A group of living organisms that can produce their own food. (.........................)
3. Flying living organisms that build their nests on the top of mountain cliffs and dive deeply into the sea to eat. (.........................)
4. The state of matter that has definite volume and shape. (.........................)

(B) Give a reason for the following :

Balloons and blimps filled with helium always rise up in the air.

....

2 (A) Put (✓) or (✗) :

1. Healthy habitats provide living organisms with clean air, healthy food and water. ( )
2. When particles of a matter absorb thermal energy, they move slower. ( )
3. Recycling nutrients back to the ecosystem is the main function of the consumers. ( )
4. From the chemical properties of helium is that it is not flammable. ( )

(B) What happens if ... ?

Plants have no stems.

....

3 (A) Choose the correct answer :

1. When the plant seed begins to grow and makes sprouts, this process is called ....
   a. respiration. b. germination. c. absorption. d. reproduction.
2. Decomposers always .... the soil.
   a. pollute b. damage c. benefit d. harm
3. The marine food web usually starts with ....
   a. clam. b. algae. c. zooplankton. d. parrotfish.
4. We can use a model to study very large things such as ....
   a. solar system. b. germs. c. microbes. d. viruses.

(B) Look at the opposite figure, then put (✓) or (✗) :

1. Label ① refers to a matter in liquid state. ( )
2. Label ② refers to a matter in solid state. ( )
3. Label ③ refers to a matter that its shape and volume don't change. ( )
4. Particles of matter ① move slower than particles of matter ③. ( )

Model Exam 5

1 (A) Choose the correct answer :

1. The volume of one liter of water has a mass of ....
   a. one gram. b. one kilogram. c. one milliliter. d. one cubic centimeter.
2. When the water is heated, its particles ....
   a. move slower. b. move faster.
   c. move with the same speed. d. do not move.
3. Salt can be separated by .... of salty water.
   a. melting b. evaporation c. freezing d. condensation
4. In plant's leaves, light energy of the Sun is converted into .... energy during photosynthesis process.
   a. sound b. electrical c. chemical d. kinetic

(B) Study the following figures that represent particles of three states of matter, then put (✓) or (✗) :

Figure (1) Figure (2) Figure (3)

1. Figure (1) represents solid matter. ( )
2. Figure (2) represents liquid matter. ( )
3. By increasing the spaces between the particles of figure (2), it will change into solid state. ( )
4. Particles of figure (1) have more energy than particles of figure (3). ( )

2 (A) Complete the following sentences :

1. An area that provides food, water and shelter to all living organisms which live in it, is known as ....
2. According to temperature, matter can be classified into .... and .... objects.
3. Helium is not .... or .... , so it is considered as a safe gas.
4. Without .... in the leaves of plants, gases can't move in or out of the plant.

(B) Give a reason for the following :

When the temperature of ice cubes increases, they will melt.

....

....

3 **(A) Write the scientific term of each of the following :**

1. They are changes in matter which are usually reversible and don't affect its structure. (..........................)
2. It is the process by which matter changes from liquid state to gas state. (..........................)
3. A tool used to measure the length of wall. (..........................)
4. They are consumers that exist at the top of food chains. (..........................)

(B) What happens if ...?

Plant's leaves don't contain chlorophyll.

....

Model Exam 6

1 **(A) Complete the following sentences :**

1. The food of plant is a type of .... which is made in their .... by photosynthesis process.
2. Sunlight energy converts .... and .... into glucose inside the plant's leaves.
3. Bacteria and fungi are considered as .... organisms, while rabbits are considered as .... organisms.
4. Particles of .... matter can slide over each other, so they take the .... of their containers.

(B) Give a reason for the following :

The roof of tropical rainforest home is made of leaves and sticks.

....

2 **(A) Choose the correct answer :**

1. Which of the following matter has a definite volume and shape ? ....
   a. Water. b. Milk. c. Ice. d. Air.
2. In the presence of water, seeds can germinate at the beginning of growth without the need of ....
   a. soil. b. rocks. c. insects. d. dry paper towel.
3. Which of the following living organisms can make their own food ? ....
   a. Hawks. b. Mice. c. Pine trees. d. Caracals.
4. If all grasses were removed completely from an ecosystem, rabbits in this ecosystem will ....
   a. increase. b. decrease. c. die. d. not be affected.

(B) Choose from column (B) what suits it in column (A) :

(A)	(B)
1. Photosynthesis process 2. Respiration process 3. Decomposition process	a. it produces nutrients which are important for soil fertility. b. it produces light which is important for plants. c. it produces oxygen gas which is important for breathing. d. it produces carbon dioxide gas which is important for plants.

1. .... 2. .... 3. ....

3 (A) Put (✓) or (X) :

1. We can differentiate between sugar and flour by texture. ( )
2. When a solid matter gains thermal energy, it will change into liquid state. ( )
3. Plants and humans are similar in the way of getting food. ( )
4. Human can eat plants and animals. ( )

(B) What happens to ... ?

The microorganisms if the seawater becomes warm.

....

Model Exam 7

1 (A) Write the scientific term of each of the following :

1. A human activity that leads to decreasing the number of fish and affecting many marine food webs. (........................)
2. The gas that is produced from photosynthesis process. (........................)
3. A system of tubes through which water, nutrients and plant food are carried all over the plant. (........................)
4. A property of matter by which we can distinguish between hot and cold objects. (........................)

(B) What happens to ... ?

The temperature of a matter if the speed of its particles decreases.

....

2 (A) Put (✓) or (X) :

1. We can use thermometer to measure the temperature of a hot cup of tea. ( )
2. If we increase the temperature of some pieces of ice, they will melt. ( )
3. Photosynthesis process takes place in the plant roots. ( )
4. The first link in any food chain is a consumer. ( )

(B) Give a reason for the following :

Chlorophyll in plant's leaves has an important role in photosynthesis process.

....

3 (A) Choose the correct answer :

1. All of the following materials can reach the plant's leaves, except ....
   a. nutrients. b. carbon dioxide gas.
   c. water. d. soil.
2. A snake is a predator for mice, while snake is considered as a prey for ....
   a. rabbit. b. frog. c. eagle. d. deer.
3. Which of the following two living organisms don't have direct food relationship between them ? ....
   a. Parrotfish and shark. b. Butterflyfish and shark.
   c. Triggerfish and shark. d. Eagle and shark.
4. Oil takes the .... of its container.
   a. volume b. shape c. color d. mass

(B) Look at the opposite figures that represent the three states of matter, then complete the following sentences :

1. Matter in figure .... takes the shape of its container but its volume doesn't change.
2. Particles of figure .... move faster than that of figure .... and figure ....
3. Particles of figure .... are not held together.

Figure (A) Figure (B)

Figure (C)

Model Exam 8

1 (A) Put (✓) or (✗) :

1. Phloem transports food materials from the leaves to the other parts of the plant. ( )
2. In an ecosystem that contains rabbits, mice, eagles and snakes only, if snakes disappear completely, so eagles will disappear completely. ( )
3. A desert food chain doesn't contain any type of fish. ( )
4. A model of an airplane shows us how it flies up into the air. ( )

(B) Give a reason for the following :

Human can use helium gas safely.

....

2 (A) Choose the correct answer :

1. Condensation changes the matter from .... state to .... state.
   a. solid – liquid b. liquid – gas c. gas – liquid d. liquid – solid
2. The green plants can make their own food through ....
   a. roots. b. leaves. c. stems. d. flowers.

3. Any food chain starts with ....
   a. insects. b. plants. c. fungi. d. bacteria.
4. If the climate change is suitable, the population of a species will ....
   a. increase. b. decrease. c. die. d. not be affected.

(B) What happens to ...?

The speed of the particles of a liquid if it changes into gas.

....

....

3 (A) Complete the following sentences using the words below :

(solid – liquid – gas – space – particles)

1. The state of matter that has a definite volume, but it doesn't have a definite shape is .... state.
2. Volume is the amount of .... that matter takes up.
3. We can classify the states of matter into liquid, ... and ....
4. Matter is made up of tiny ....

(B) Choose from column (B) what suits it in column (A) :

(A)	(B)
1. Carbon dioxide 2. Sand	a. is a solid matter. b. is a liquid matter. c. is needed for photosynthesis process.

1. .... 2. ....

Model Exam 9

1 (A) Choose the correct answer :

1. We can measure the volume of a liquid by all the following units <u>except</u> ....
   a. kilogram. b. milliliters.
   c. cubic centimeters. d. liters.
2. Among chemical changes which is occurred in cooking is ....
   a. cutting vegetables. b. boiling of water.
   c. melting of chocolate. d. baking a bread.
3. The kind of stems that extend underground are called .... stems.
   a. climb b. tuber c. runner d. wood
4. Many insects are considered as ....
   a. producers. b. decomposers.
   c. primary consumers. d. secondary consumers.

(B) What happens if ...?

A small lake is exposed to extreme hot climate for several months.

....

2 **(A) Complete the following sentences by using the words below :**

(chemical – physical – rough – odor)

1. Both of odor and texture of matter are considered from the .... properties of matter.
2. You can identify the .... of a juice by using the sense of smell.
3. We can describe the texture of sugar crystals by saying "it has .... crystal texture".
4. The ability of a piece of iron to rust is from the .... properties of matter.

(B) Give a reason for the following :

Both melting and freezing processes are considered as physical changes.

....

3 **(A) Put (✓) or (✗) :**

1. Plant's stem has hairs that absorb oxygen gas from the air. ( )
2. Birds are secondary consumers, because they eat insects that feed on plants. ( )
3. Microorganisms are producers that small fish feed on to get energy. ( )
4. The speed of water vapor particles is greater than that of water particles. ( )

(B) Look at the opposite model of balls that shows the particles of a matter, then complete the following sentences :

1. This model represents a matter in .... state.
2. If we want to make changes in this model to show this matter in a liquid state, we should .... the distances between balls.

Model Exam 10

1 **(A) Put (✓) or (✗) :**

1. Light is important for plant growth. ( )
2. Water and carbon dioxide are absorbed by plant's roots to help the plant to grow. ( )
3. Light and sound are forms of matter. ( )
4. Liquids don't take the shape of the container that they are placed in. ( )

(B) Correct the underlined words :

1. Humans can get their food from <u>air</u> and animals. (.........................)
2. <u>Oxygen</u> gas is absorbed by plant's leaves to make photosynthesis process. (.........................)

2 (A) Write the scientific term of each of the following :

1. A device used to examine one tiny particle such as a blood cell. (........................)
2. The state of water when its temperature is located between 0°C and 100°C. (........................)
3. The process by which the plant can make its own food. (........................)
4. Parts of the plant that are responsible for reproduction. (........................)

(B) Give a reason for the following :

Wood has definite shape and volume.

....

....

3 (A) Choose the correct answer :

1. We can measure the mass of an apple by using a ....
   - a. thermometer.
   - b. ruler.
   - c. measuring tape.
   - d. balance.
2. We can identify milk by determining its ....
   - a. color and texture.
   - b. shape and odor.
   - c. color and taste.
   - d. color and size.
3. To separate sand only from salty water, we can use .... process.
   - a. filtration
   - b. evaporation
   - c. melting
   - d. freezing
4. Blood rich in carbon dioxide gas returns back to the heart through ....
   - a. arteries.
   - b. veins.
   - c. lungs.
   - d. xylem.

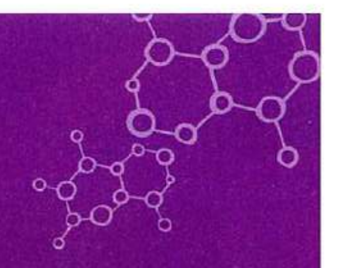
(B) The following figures show three models of particles of some matter related to our planet Earth, complete the following sentences :

Figure (1) Figure (2) Figure (3)

1. Beads of figure .... could represent the particles of a rock on Earth's surface.
2. Beads of figure .... could represent the particles of river water on Earth.

Final Examinations of some governorates

on the first term 2024



1 Cairo Governorate — Leaders Language School

1 **(A) Put (✓) or (✗) :**

1. Roots fix the plant in the soil. ( )
2. Any food chain starts with bacteria. ( )
3. Rusting of iron is a chemical change. ( )
4. Thermometer is used to measure the length of a book. ( )

(B) Cross out the odd word :

Wood – Iron – Oxygen – Gold. (.........................)

2 **(A) Complete the following sentences using words between brackets :**

(oil – consumers – decomposers – oxygen)

1. .... is a gas produced during photosynthesis process.
2. .... can eat plants and animals.
3. Bacteria and fungi are two examples of ....
4. .... is an example of liquid.

(B) What happens if ...?

Plant leaves don't contain chlorophyll.

....

....

3 **(A) Choose the correct answer :**

1. Oil takes the .... of its container.
   a. shape b. color c. volume d. smell
2. Steel is used in making hammers because it is ....
   a. flexible. b. hard. c. transparent. d. soft.
3. Among examples of physical changes is ....
   a. burning of wood. b. rusting of iron.
   c. cutting a paper. d. burning of paper.
4. The suitable habitat for microorganisms to survive is ....
   a. hot water. b. cold water. c. warm water. d. boiled water.

(B) Form a food chain by using the following organisms :

(Rabbit – Snake – Hawk – Grass)

.... ⟶ .... ⟶ .... ⟶ ....

2 Cairo Governorate — Science Inspectorate

1 (A) Choose the correct answer :

1. .... always benefit the soil.
   a. Snakes　b. Decomposers　c. Rabbits　d. Consumers
2. The .... carry the water and the nutrients from the plant root to the plants leaves.
   a. xylem　b. root　c. leaves　d. air
3. .... is used to measure the mass of objects.
   a. Ruler　b. Measuring cup　c. Balance　d. Thermometer
4. .... is considered a chemical change.
   a. Cutting vegetables　b. Boiling water
   c. Melting chocolate　d. Iron rust

(B) Which one of these seeds can disperse by wind and why ?

....

....

a　b　c

2 (A) Choose from column (B) what suits it in column (A) :

(A)	(B)
1. Microplastic	a. it may destroy the marine ecosystem.
2. Matter	b. they are a small plastic pieces that are smaller than a grain of rice.
3. Model	c. it's a copy that is similar to real thing.
4. Overfishing	d. anything has volume and mass.

1. ....　2. ....　3. ....　4. ....

(B) Give a reason for the following :

Phloem is very important for the plant.

....

3 (A) Put (✓) or (✗) :

1. Photosynthesis process takes place inside the plant leaves. (　)
2. Mixture of water and salt can be separated by evaporation. (　)
3. Potato stem is a climb stem. (　)
4. Solids have definite shape and indefinite volume. (　)

(B) What happens if ...?

Grass disappear from the ecosystem.

....

3 Cairo Governorate — Hadayek El Kobba Educational Zone

1 (A) Write the scientific term of each of the following :

1. It is a process by which a matter is changed from liquid to solid state. (..........................)
2. System that transports nutrients, water and glucose between the plant parts. (..........................)
3. They are organisms that feed on the dead organisms bodies and break them down into smaller pieces. (..........................)
4. State of matter that has thermal energy more than solid but not completely free motion. (..........................)

(B) Give a reason for the following :

Gasoline is liquid matter.

....

2 (A) Choose the correct answer :

1. Plant takes .... from the air to make its own food.
   a. water b. oxygen gas
   c. carbon dioxide gas d. sugar
2. A community that includes living organisms and nonliving things is known as ....
   a. digestive system. b. respiratory system.
   c. ecosystem. d. vascular system.
3. Oil takes the .... of its container.
   a. volume b. shape c. color d. mass
4. Change color of iron when exposed to water is .... change.
   a. physical b. chemical
   c. temperature d. neither physical nor chemical

(B) What happens if ...?

Stomata in plant's leaves are absent.

....

3 (A) Put (✓) or (✗) :

1. We can use thermometer to measure the temperature of a hot cup of tea. ( )
2. The first link in any food chain is a consumer. ( )

3. If we increase the temperature of some water, they will freeze. (   )
4. Light is important for plant growth. (   )

(B) Discuss the effect of cooling on liquid.

(According to force and spaces between particles)

....

4 Cairo Governorate — Science Inspectorate

1 (A) Choose the correct answer :

1. .... is the solid state of matter.
   a. Water   b. Ice   c. Steam   d. Water vapor
2. The coral bleaching means that, the coral reefs turn completely into ....
   a. red.   b. white.   c. green.   d. black.
3. The measuring unit of mass is ....
   a. liter.   b. gram.   c. cm.   d. ml.
4. Potato plant has ....stem.
   a. upright   b. climb   c. tuber   d. runner

(B) Give a reason for the following :

The oil is a matter.

....

2 (A) Complete each of the following :

1. The ability of a piece of iron to rust is from .... properties.
2. Salt can be separated by .... from salty water.
3. .... is the process in which matter changes from liquid state to solid state.
4. .... are organisms that decompose dead animals and plants.

(B) Form a food chain by using the words between brackets :

(Hawk – Grass – Snake – Rat)

.... ⟶ .... ⟶ .... ⟶ ....

3 (A) Put (✓) or (✗) :

1. The green plants can make their own food through flowers. (   )
2. Light and sound are forms of matter. (   )
3. Iron spoon is attracted to the magnet. (   )
4. The matter has 4 states. (   )

(B) What happens if ...?

The plant is placed in a dark place for many days.

....

5 Giza Governorate — The Egyptian International School

1 (A) Choose the correct answer :

1. The stomata exist on .... of the plant.
   a. stems b. leaves c. root hairs d. stems and leaves
2. Many insects are considered as ....
   a. producers. b. decomposers.
   c. primary consumers. d. secondary consumers.
3. Both .... and .... have the same state of matter.
   a. wood – water b. plastic – oil c. wood – milk d. wood – plastic
4. To measure the temperature, we can use a ....
   a. thermometer. b. measuring tape.
   c. scales. d. cylinder.

(B) Write the scientific term :

An area in the ocean where small pieces of coral reefs are cared for. (........................)

2 (A) Complete the following sentences :

1. The plant changes the .... energy into .... energy stored in the plant's food during the photosynthesis process.
2. A phenomenon that causes the coral to turn completely into white is known as ....
3. When two substances combine and form a new substance, this new substance is called a ....
4. Cutting a paper into pieces is considered as a .... change, while burning it is considered as a .... change.

(B) Give a reason for the following :

The roof of desert home is made of strong stones.

....

3 (A) Put (✓) or (✗) :

1. The first link in any food chain is a consumer. ( )
2. Energy remains in an ecosystem and it's transferred between its components. ( )
3. Matter consists of tiny moving particles. ( )
4. We can separate baking soda from vinegar easily after mixing them together. ( )

(B) What happens to ... ?

Temperature of a matter if the speed of its particles decreases.

....

6 Giza Governorate — Awssem Educational Zone

1 (A) Choose the correct answer :

1. The particles are packed tightly with each other in ....
   a. water. b. oxygen. c. wood. d. vinegar.
2. Photosynthesis process takes place inside ....
   a. roots. b. stem. c. leaves. d. flowers.
3. Fruit salad is considered a ....
   a. mixture. b. melting. c. compound. d. heating.
4. Without .... the plant can't grow well.
   a. insects b. rocks c. sunlight d. moonlight

(B) Form a food chain by using the following organisms :

(Small fish – Microorganisms – Seabird)

.... ⟶ .... ⟶ ....

2 (A) Put (✓) or (✗) :

1. Solid particles move faster than liquid particles. ( )
2. Microorganisms can make their own food. ( )
3. Copper is a good conductor for heat and electricity. ( )
4. Air enters the plants through stomata in their leaves. ( )

(B) Give a reason for the following :

Leaves are important for the plant.

....

....

3 (A) Complete the following sentences by using the following words :

(carbon dioxide – chemical – model – producers)

1. .... is a copy that is similar to the real thing to show what it looks like or work like.
2. Any food chain starts with ....
3. Plants take .... gas from air to make their own food.
4. Iron rust and burning reactions are from .... change.

(B) Write the scientific term :

They are consumers that feed on the primary consumers. (........................)

7 Alexandria Governorate — East Educational Zone

1 (A) Choose the correct answer :

1. The particles of water move .... when it gain energy.
   a. faster b. slower
   c. as the same d. vibrate
2. The components of mixture can be separated by ....
   a. dissolving. b. filtration. c. mixing. d. shaking.
3. The .... matter has definite volume, but it takes the shape of the container.
   a. solid b. liquid c. gas d. space
4. Coral reefs are considered as ....
   a. algae. b. producers.
   c. ecosystem. d. bacteria.

(B) Give a reason for the following :

Frog is a secondary consumer.

....

2 (A) Complete the following sentences :

1. Mixing baking soda with vinegar is considered as .... change.
2. The .... carry oxygen and nutrients from the heart to all body organs.
3. Coconut seeds dispersed by .... as they can float.
4. The plant absorbs sunlight energy due to the presence of .... in the leaves.

(B) Write the scientific term :

They are pores on the surface of the plant's leaves that allow gasses move in and out of the plant. (.........................)

3 (A) Put (✓) or (✗) :

1. Matter can be changed from state to another by changing temperature. (   )
2. Water pollution doesn't affect food chains in the ecosystem. (   )
3. Phloem transports glucose to all parts of plant. (   )
4. Ice and glass are examples for liquid state of matter. (   )

(B) What happens to ...?

Solid matter particles if it is heated.

....

8 Alexandria Governorate — Science Inspectorate

1 (A) Choose the correct answer :

1. Plants use .... gas during the photosynthesis process.
   a. nitrogen b. oxygen
   c. carbon dioxide d. sugar
2. Lion is from ....
   a. producer. b. grass eaters.
   c. meat eaters. d. decomposers.
3. The particles are packed tightly with each other is ....
   a. water. b. iron.
   c. oxygen. d. all the previous.
4. The measuring unit of mass is ....
   a. liter. b. gram. c. cm. d. ml.

(B) Cross out the odd word :

Grass – Rat – Hawk – Snake. (.........................)

---

2 (A) Complete the following statements by using the words below :

(model – fungi – phloem – particles)

1. .... transports the sugar from the leaves to other parts of plants.
2. .... is a copy that is similar to real to show what it looks like.
3. One example of decomposers is ....
4. Any matter is made up of millions of tiny ....

(B) Give a reason for the following :

Food is very important for human.

....

---

3 (A) Put (✓) or (✗) :

1. Habitat loss is one of the main causes of extinction. (   )
2. The roof of desert home is similar to rainforest home. (   )
3. Kilogram = 100 grams. (   )
4. Air enters plants through roots. (   )

(B) Form a food chain by using the following organisms :

(Frog – Grass – Grasshopper – Snake – Owl)

.... ⟶ .... ⟶ .... ⟶ .... ⟶ ....

9 Menoufia Governorate — Shebeen El-Koum Educational Zone

1 **(A) Complete the following sentences by using words between brackets :**

(gram – reproduction – chemical – phloem)

1. .... vessels transfer food from leaves to all parts of plant.
2. Rusting iron is from .... change of matter.
3. .... is the function of flower in plants.
4. .... is the measuring unit of mass.

(B) Make a food chain from the following living organisms :

(Decomposer – Lion – Deer – Grass)

.... ⟶ .... ⟶ .... ⟶ ....

---

2 **(A) Put (✓) or (✗) :**

1. Air is consider as a mixture which composed of different gases. ( )
2. Human activities in environment affect only living organisms. ( )
3. Measuring cup used to measure the volume of liquid. ( )
4. Tuber stems grow and extend above the soil. ( )

(B) Give a reason for the following :

Sometimes coral reefs change into white color in oceans.

....

....

---

3 **(A) Choose the correct answer :**

1. .... return back the blood rich in carbon dioxide to the heart.
   a. Arteries b. Two lungs c. Xylem vessels d. Veins
2. .... from nonliving things in ecosystem.
   a. Soil b. Fungi c. Bacteria d. Birds
3. In .... process the water changes into ice.
   a. melting b. freezing
   c. evaporation d. condensation
4. The particles of matter become very faraway from each other in ....
   a. water. b. iron. c. oxygen. d. wood.

(B) What happens when ...?

Plastic products expose to sunlight.

....

10 El-Gharbia Governorate — Science Inspectorate

1 (A) Complete the following sentences :

1. We can use .... in making hammers, because it is .... and strong.
2. Arteries carry blood rich in .... and .... from the heart to body cells.
3. Bacteria and fungi are considered .... , so they can feed on ....
4. Cutting a paper is a .... change, while burning it is a .... change.

(B) What happens to ...?

Seabirds if they built nests in mountains near to cold water habitat.

....

....

2 (A) Write the scientific term of each of the following :

1. A tool that is used to measure the length of a wall. (.........................)
2. The gas that is used in photosynthesis process. (.........................)
3. The number of organisms of one type of species living in an area. (.........................)
4. A part of plant that carries water from roots to leaves. (.........................)

(B) Give a reason for the following :

Although water vapor is invisible, we can see steam during cooking.

....

3 (A) Put (✓) or (✗) :

1. Desalination is the process of removing salt from water by cooling only. (   )
2. Light and sound are examples of matter. (   )
3. Particles of liquid have a random arrangement. (   )
4. Coconut seeds dispersed by water because they are light. (   )

(B) Cross out the odd word and name the group :

Zooplankton – Clam – Sea star – Sea urchin.

1. The odd words is : ....
2. The name of the group is : ....

11 Kafr El-Sheikh Governorate — Science Inspectorate

1 (A) Choose the correct answer :

1. .... carry blood rich in oxygen from the heart to all body parts.
   a. Veins b. Phloem c. Arteries d. Xylem
2. Potato has a .... stem.
   a. wood b. tuber c. climb d. runner

3. Particles of .... have more thermal energy than that of water.

a. iron b. helium c. wood d. ice

4. .... are considered primary consumers.

a. Algae b. Coral reefs c. Zooplanktons d. Sharks

(B) Write the scientific term :

Turning the color of coral reefs completely into white. (........................)

2 (A) Put (✓) or (✗) :

1. Xylem transports water and nutrients from leaves to plant's roots. ( )
2. Rusting of iron doesn't change the structure of iron. ( )
3. The volume of an amount of water is measured by the measuring cup. ( )
4. An iron nail is attracted to magnet, and it floats on water surface. ( )

(B) Give a reason for the following :

Atmosphere is considered as a gaseous mixture.

....

3 (A) Complete the following sentences by using the words between brackets :

(liquid – copper – gas – rubber)

1. Electric wires are made of .... , while gloves are made of ....
2. When a cube of ice melts, it changes from a solid state into a .... state.
3. The .... matter has indefinite shape and volume.

(B) What happens when ... ?

You boil an amount of seawater for a while.

....

12 Beheira Governorate — Science Inspectorate

1 (A) Choose the correct answer :

1. .... plant has climb stem.

a. Potato b. Tomato c. Vine d. Pine

2. When there is a gentle rain in the desert, the desert ecosystem may be ....

a. destroyed. b. improved. c. polluted. d. not changed.

3. We can measure .... of a liquid by using measuring cup.

a. length b. volume c. mass d. temperature

4. Which of the following is evidence that a chemical change has occurred ? ....

a. Smoke billowing. b. Squeeze a balloon filled with air.

c. Cracking nuts. d. Melting of a piece of wax.

(B) Give a reason for the following:

Soil fertility depends on decomposers.

....

....

2 (A) Write the scientific term of each of the following :

1. It is a condition in which coral reefs turn completely into white. (..........................)
2. A material that is used to build the roofs of cold weather homes. (..........................)
3. The ability of materials to transfer heat and conduct electricity. (..........................)
4. The consumer that hunts and eats another animal. (..........................)

(B) What happens if ... ?

We remove the flower of a plant.

....

....

3 (A) Put (✓) or (✗) :

1. Coconut seeds can float on water. (   )
2. Habitat loss is not considered from causes of extinction. (   )
3. By mixing some vegetable together their properties will change. (   )
4. Liquid particles move freely more than solid particles. (   )

(B) Form a food chain by using the following organisms :

(Hawk – Grass – Snake – Rabbit)

.... ⟶ .... ⟶ .... ⟶ ....

13 Fayoum Governorate — Science Inspectorate

1 (A) Choose the correct answer :

1. .... is from nonliving part of ecosystem.
   a. Fungi b. Plant c. Soil d. Grasshopper
2. Photosynthesis process takes place inside ....
   a. roots. b. stems. c. leaves. d. flowers.
3. The measuring unit of volume ....
   a. cm^3. b. gram. c. cm. d. kg.
4. .... process at which water changes to ice.
   a. Evaporation b. Condensation c. Melting d. Freezing

(B) What is the importance of stem ?

....

2 (A) Put (✓) or (X) :

1. The transport system of plant does the same function of circulatory system in human. ( )
2. Habitat loss is one of the main causes of extinction. ( )
3. Iron rust and burning reactions are from physical change. ( )
4. Glass is a transparent material used in making eye glass. ( )

(B) Compare between producer organisms and decomposer organisms by giving an example :

....

....

3 (A) Match column (B) to column (A) :

(A)	(B)
1. Lion	a. from an example of matter that attract to magnet.
2. Iron	b. meat eaters.
3. Liquid	c. feeds on small fish.
4. Seabird	d. has medium spaces among particles.

1. .... 2. .... 3. .... 4. ....

(B) Look at the opposite figure then answer :

1. This is consider a ....
2. Snake can feed on .... and ....

Hawk
Snake
Frog
Rabbit
Mouse
Grasshopper
Grasses

14 Assiut Governorate — Science Inspectorate

1 (A) Choose the correct answer :

1. The .... of plant get water and nutrients from the soil.
   a. roots b. stems c. leaves d. flowers
2. Which of the following matter has a definite volume and shape ? ....
   a. Water. b. Milk. c. Ice. d. Air.
3. Any food chain starts with ....
   a. consumer. b. producer. c. fungi. d. decomposer.
4. Burning of fuel in cars is considered as .... change of matter.
   a. chemical b. physical
   c. physical and chemical d. biological

(B) Give a reason for the following :

Helium is used to fill balloons and blimps.

....

2 (A) Put (✓) or (X) in front of each sentence :

1. The roof of desert home is similar to the roof of rainforest home. (   )
2. Green plants can grow well in a dark room. (   )
3. Gram is the measuring unit of mass. (   )
4. Xylem is important for plants to transfer water from plant's roots to leaves. (   )

(B) Form a food chain by using the following organisms :

(Rabbit – Snake – Hawk – Grass)

.... ⟶ .... ⟶ .... ⟶ ....

3 (A) Complete the following sentences using the words below :

(small fish – coral bleaching – oxygen – flower)

1. A .... is a reproductive part of the plant.
2. .... gas that is produced from photosynthesis process.
3. Seabirds feed on ....
4. The .... happen when the color of coral reefs turns completely into white.

(B) Look at the following pictures, then complete the following diagram :

Solid state — 1. .... process ⟶ Liquid state — 2. .... process ⟶ Gas state

15 Sohag Governorate — Science Inspectorate

1 (A) Choose the correct answer :

1. Particles of .... are very close to each other.
   a. gold b. steam c. milk d. oxygen
2. Among examples of physical changes is ....
   a. digestion of food. b. burning of wood.
   c. making a cake. d. melting of iron.
3. Maple seeds travel by wind because they are .... seeds.
   a. light b. spiny c. heavy d. smooth
4. .... in the plant leaves allow air to enter or move out the plant.
   a. Xylem b. Phloem c. Stomata d. Chlorophyll

(B) Give a reason for the following :

Roots have important role in photosynthesis process of plants.

....

....

2 (A) Complete each of the following :

1. The interaction among many food chains is known as ....
2. The nutrients and oxygen are transported through the blood to the body cells by the .... system.
3. To separate salt from salty water we can use .... process.
4. Particles of .... matter have a lot of energy and spaces.

(B) What happens to ...?

The speed of particles of liquid when it changes into gas.

....

....

3 (A) Put (✓) or (✗) :

1. Both gold and milk have definite shape. ( )
2. The roof of desert home is made up of strong stones. ( )
3. The first link in any food chain is a consumer. ( )
4. Phloem transports water and nutrients from roots to leaves. ( )

(B) Look at the following figures, then write the suitable material which is used in making these tools :

1. ....

2. ....



كيفية طباعة صفحات معينة من ملف معين



مثلا ازاى نطبع الصفحات من صفحة 4 الى صفحة 9

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حمل الآن

مجانا وحصريا

امتحانات رقم (2)







7 Cairo – El Zaitoun District

Question (1)

(A) Choose the correct answer:

1. Any food chain ends with living organisms that are called ....
   a. producers b. decomposers c. consumers d. autotrophic
2. The .... carries sugar from the leaves to all plant parts.
   a. xylem b. flower c. fruit d. phloem
3. The .... is made up of very tiny particles.
   a. mass b. volume c. matter d. weight
4. Habitat loss causes the .... of living organisms.
   a. extinction b. growth c. constancy d. increase

(B) Classify the changes into (physical or chemical) changes:

1. Rusting of iron 2. Cutting wood

Question (2)

(A) Put (✓) or (✗):

1. The soil is not one of the basic needs of the plant. ( )
2. The length of the door can be measured by the unit of kilogram. ( )
3. Whales and sea turtles can differentiate between their food and pieces of plastics. ( )
4. Melting is the change of matter from a solid state to a liquid state. ( )

(B) What happens to:

The coral reefs when the temperature of water rises?

Question (3)

(A) Complete:

1. The sweet taste of sugar is one of its .... properties.
2. The .... is the main source for getting energy.
3. When the food chains interact with each other, they form a ....
4. Oxygen is a .... matter as it doesn't have a definite shape or volume.

(B) Give a reason for:

A farmer found seeds that are not from the seeds of his farm.

2 Giza – Experimental Directorate (1)

Question (1)

(A) Put (✓) or (✗):

1. Green plants can grow well in a dark room. ( )
2. A food chain starts with decomposers. ( )
3. Liquid particles move faster than solid particles. ( )
4. Ice is considered a solid state of matter. ( )

(B) Give a reason for:

Xylem vessels are important for the plant.
Because they transfer .... and .... from the roots to the leaves.

Question (2)

(A) Choose the correct answer:

1. To see the components of one blood cell, we need a/an ....
   a. electron microscope b. scale
   c. measuring tape d. balance
2. .... are pores on the surface of a plant's leaves that allow gases to move in and out the plant.
   a. Stomata b. Xylems c. Phloems d. Hairs
3. The suitable habitat for microorganisms to survive is ....
   a. hot water b. warm water c. cold water d. boiled water
4. An example of a gas is ....
   a. chocolate b. rock c. pencil d. oxygen

(B) Cross out the odd word:

Pine trees – Apple trees – Bacteria – Grasses

Question (3)

(A) Choose from column (A) what suits it in column (B):

Column (A)	Column (B)
1 Veins	a. are floating on water.
2 Coconut seeds	b. carry the carbon dioxide gas from the body to the heart.
3 Physical change	c. are used to build roofs of homes in cold weather.
4 Ceramic tiles	d. are changes in matter which are usually reversible and they don't affect its structure.

(B) What happens if: We put a seed of bean in a soil and water it?

3 Giza - Experimental Directorate (2)

Question (1)

(A) Choose the correct answer:

1. The green plants can make their own food through the ....
   a. roots b. leaves c. stems d. flowers
2. Wind plays an important role in dispersing .... seeds.
   a. small, light b. big, heavy c. sticky d. floating
3. When you leave a cup of water in the freezer, water will change into a .... state.
   a. solid b. liquid c. gaseous d. a and c
4. Salt can be separated by .... the salt water.
   a. melting b. evaporating c. freezing d. condensing

(B) Cross out the odd word:

Water - Sunlight - Oxygen - Carbon dioxide

Question (2)

(A) Put (✓) or (✗):

1. Phloem transports food materials downward from the leaves to other parts of the plant. ( )
2. A desert food chain does not contain any type of fish. ( )
3. A model of an airplane shows us how it flies up in the air. ( )
4. The ability of matter to burn and rust are considered from the chemical properties of matter. ( )

(B) What happens if:

All primary consumers disappear from a certain food chain?

Question (3)

(A) Complete using the words between the brackets:

(physical - Melting - leaves - chemical - Sun)

1. .... is the change of matter from a solid state to a liquid state.
2. .... is the main source of energy on Earth's surface.
3. Photosynthesis process happens in the plant's ....
4. Iron rusting is an example of .... change.

(B) What happens to: The coral reefs when the water temperature rises?

4 Qalyubia

Question (1)

(A) Put (✓) or (✗):

1. The plants make their own food by photosynthesis process. ( )
2. Decomposers have an important role in the ecosystem. ( )
3. The roof of a desert home is similar to that of a rainforest home. ( )
4. Wood is a transparent material that is used in making eyeglasses. ( )

(B) Form a food chain by using the following organisms:

a. Small fish b. Bacteria c. Seabirds
d. Microorganisms floating on the surface of the sea

Question (2)

(A) Choose the correct answer:

1. A substance changes totally into a new substance by .... change.
   a. chemical b. physical c. melting d. breaking
2. The plants use the .... to produce their food.
   a. sunlight b. wind c. batteries d. moon
3. A matter consists of ....
   a. cells b. proteins c. muscles d. molecules
4. The measuring unit of mass is ....
   a. liters b. grams c. centimeters d. millimeters

(B) What are the main parts of a plant?

Question (3)

(A) Choose from column (A) what suits it in column (B):

Column (A)	Column (B)
1. The mass	a. is the amount of matter in an object.
2. Atmospheric air	b. is used to measure a certain volume of food oil.
3. Chemical change	c. is a change that occurs when mixing two substances and producing a new one.
4. Measuring container	d. is a mixture that exists in a gaseous state.

(B) Write the scientific term:

A part of plants that is responsible for reproduction.

5 Alexandria – Montazah District (1)

Question (1)

(A) Choose the correct answer:

1. Water and nutrients are transported from the roots to the leaves through the ....
   a. xylem b. phloem c. chlorophyll d. stomata
2. All the following are consumers, except ....
   a. hawks b. snakes c. grass d. rabbits
3. The suitable habitat for microorganisms to survive is .... water.
   a. hot b. boiled c. cold d. warm
4. Particles of .... vibrate around their place.
   a. iron b. air c. oxygen d. water

(B) Give a reason for: Water is liquid.

Question (2)

(A) Put (✓) or (✗):

1. Changing the shape of a material affects its mass. ( )
2. Coral bleaching happens when the temperature of seawater increases. ( )
3. A hawk can get its needed energy directly by eating beetles. ( )
4. Veins return the blood that carries carbon dioxide to the heart. ( )

(B) Write the scientific term:

It's a tool that is used to measure the length of a wall.

Question (3)

(A) Choose from column (A) what suits it in column (B):

Column (A)	Column (B)
1 Melting	a. is produced during photosynthesis process.
2 Freezing	b. is used during photosynthesis process.
3 Carbon dioxide gas	c. is a change of matter from a solid state to a liquid state.
4 Oxygen gas	d. is a change of matter from a liquid state to a solid state.
	e. is a change of matter from a liquid state to a gaseous state.

(B) Cross out the odd word: Clam – Zooplankton – Algae – Sea urchin

6 Alexandria - Montazah District (2)

Question (1)

(A) Choose the correct answer:

1. The primary source of energy for all living organisms on the Earth is the ....
   a. Sun b. green plants
   c. photosynthesis process d. sugar
2. A marine food web usually starts with ....
   a. clams b. zooplanktons c. parrotfish d. algae
3. The movement of particles of water are slower than those of ....
   a. wood b. plastic c. air d. gold
4. The volume of one liter of water has the mass of ....
   a. one gram b. one kilogram c. one millimeter d. one cm^2

(B) Write the scientific term:

They are materials that have definite volume and they take the shape of the container.

Question (2)

(A) Correct the underlined words:

1. The plant stem contains tiny holes that allow gasses to pass into the plant.
2. Xylems help plants to get water from the soil.
3. Melting means changing the matter from a liquid state to a gaseous state by heating.
4. A compound is two or more substances that can be separated easily.

(B) How can we separate salt from water?

Question (3)

(A) Complete the following:

1. .... gas is produced by the plant during photosynthesis process.
2. Burning of sugar is a .... change, while dissolving sugar in water is a .... change.
3. The thermometer is used to measure the ....
4. Most flowers have a/an .... stem.

(B) Give a reason for:

The roof of the tropical rainforest homes is made of leaves and sticks.

7 Alexandria – Eastern District (1)

Question (1)

(A) Choose the correct answer:

1. Water and nutrients move up in a plant stem through the .... tubes.
   a. stomata b. roots c. phloem d. xylem
2. The .... is the first link in any food chain.
   a. consumer b. producer c. decomposer d. food web
3. The particles are held together more loosely in the case of the .... state.
   a. solid b. liquid c. gaseous d. air
4. .... is commonly used to make electrical wires due to its properties.
   a. Glass b. Wood c. Helium d. Copper

(B) Give a reason for: Birds are secondary consumers.

Question (2)

(A) Put (✓) or (✗):

1. Blood moves only in one direction in human's veins or arteries. ( )
2. Chemical changes as rust can be reversed easily. ( )
3. Food and oxygen provide the energy that the body needs. ( )
4. When a matter has extra energy, it allows the particles to change into different states. ( )

(B) What happens to:

The eagle if the grass was removed from the area?

Question (3)

(A) Complete the following statements:

1. Trees and other plants make food through .... process.
2. You can separate the particles of a mixture of sand and water by ....
3. The .... is the reproductive parts of many plants.
4. Bacteria and worms are examples of ....

(B) What is the importance of:

Microorganisms for the marine ecosystem?

Question (1)

(A) Use the following words to complete the statements below:

(organisms - particles - 0°C - imbalance - 100°C)

1. When a drought occurs in a lake, it causes .... in the ecosystem.
2. All matter is made up of ....
3. The freezing point of water is ....
4. All .... need a source of energy.

(B) Write the scientific term: It is the final link in a food chain.

Question (2)

(A) Put (✓) or (✗):

1. Metal rusts due to chemical changes that occur to the material. ( )
2. Coral bleaching has a positive impact on coral reefs. ( )
3. Cutting wood into pieces changes its mass and density. ( )
4. A flower is the reproductive part of the plant. ( )

(B) Mention two methods of seed dispersal.

Question (3)

(A) Choose the correct answer:

1. .... is the solid state of water.
   a. Water b. Ice c. Steam d. Water vapor
2. All the following factors pollute the water, except ....
   a. plastic garbage b. animals waste c. sunlight d. human waste
3. The plant gets air in the photosynthesis process using its ....
   a. roots b. xylem c. phloem d. stomata
4. The measuring unit of mass is ....
   a. liters b. grams c. cm d. mL

(B) Study the opposite figure and answer:

1. This model is called ....
2. The snake is a .... that eats the mouse.

Question (1)

(A) Complete the following sentences from the words below:

(Seabirds - particles - liquid - consumers)

1. Decomposers and .... depend on producers to get their energy.
2. .... build their nests on the top of mountain cliffs.
3. A .... matter has a definite volume and it takes the shape of the container.
4. Any matter is made up of millions of tiny .... that we can't see with our eyes.

(B) Give a reason for: Soil fertility depends on decomposers.

Question (2)

(A) Put (✓) or (✗):

1. Plants can grow in a dark room. ( )
2. Phloems are tubes that carry water and nutrients from the roots to the leaves. ( )
3. Both the jellyfish and sea turtle are consumers. ( )
4. Gases don't have a definite shape or volume. ( )

(B) Mention one example of:

1. Solid state: ....
2. Liquid state: ....

Question (3)

(A) Choose the correct answer:

1. During photosynthesis process, the green leaves take .... from the air to make their own food.
   a. oxygen gas b. sunlight c. carbon dioxide gas d. water
2. All the following are producers, except ....
   a. grass b. trees c. bacteria d. algae
3. Flowers produce .... for reproduction.
   a. seeds b. stems c. leaves d. roots
4. To see the components of one blood cell, we need a/an ....
   a. measuring tape b. electron microscope c. regular microscope d. scale

(B) What happens if: You put a cup of water in the freezer?

10 Alexandria - Western Di...

Question (1)

(A) Choose the correct answer:

1 Food moves down in a plant stem through the .... tubes.
a. stoma b. roots c. phloem d. xylem

2 The .... is in the end link of any food chain.
a. consumer b. producer c. decomposer d. food web

3 The particles are held together more loosely in the case of the .... state.
a. solid b. liquid c. gaseous d. air

4 .... is commonly used to make electric wires because of its properties.
a. Glass b. Wood c. Helium d. Copper

(B) Give a reason for: Snakes are secondary consumers.

Question (2)

(A) Put (✓) or (✗):

1 Blood moves only in one direction in human's veins or arteries. ( )
2 Chemical changes, as rust, can be reversed easily. ( )
3 Food and oxygen provide the energy that the body need. ( )
4 When matter has extra energy, it allows the particles to change into different states. ( )

(B) What happens to: The eagle if the grass was removed from the area?

Question (3)

(A) Complete the following statements:

1 Trees and other plants make food through .... process.
2 You can separate the particles of .... by evaporation.
3 The flower is the .... parts of many plants.
4 Bacteria and worms are examples of ....

(B) What is the importance of:

Microorganisms for the marine ecosystem?

Question (1)

(A) Choose the correct answer:

1. The .... of the plant get water and nutrients from the soil.
   a. stems b. leaves c. flowers d. roots
2. .... carry the blood which is rich in oxygen and glucose from the heart to the body cells.
   a. Veins b. Necks c. arteries d. Lungs
3. Ice can turn into water by ....
   a. heating b. freezing c. cooling d. solidification
4. In a food chain, the energy transfers ....
   a. from a predator to prey b. from prey to a predator
   c. from a predator to a producer d. from a producer to a predator

(B) Arrange the following words to make a food chain:

Hawk – Snake – Insect – Owl – Grass – Frog

Question (2)

(A) Put (✓) or (X):

1. Rusting of iron is a physical change. ( )
2. If the masses of two different materials are equal, their volume must be equal. ( )
3. Xylem is important for plants to transfer water from the plants roots to the leaves. ( )
4. Coral bleaching occurs when the temperature of seawater decreases. ( )

(B) What happens to: The solid matter particles if it is heated?

Question (3)

(A) Complete the flowing sentences using the words below:

(tubers – Microorganisms – seed dispersal – ecosystem)

1. Travelling by wind and floating on water is called ....
2. A desert is considered an example of a/an ....
3. The potato stem extends underground and it's called .... stem.
4. .... are the producers in the marine food web.

(B) How can you separate the salt water mixture?

Question (1)

(A) Choose the correct answer:

1. Any marine food chain doesn't induce ....
   a. algae b. zooplanktons c. tigers
2. Sharks will find .... due to coral bleaching.
   a. a big amount of food b. a small amount of food
   c. the same amount of food
3. All of these substances are liquids, except ....
   a. oil b. milk c. stone
4. Gases have .... shape.
   a. a definite b. no definite c. different

(B) Give a reason for: A book is a matter.

Question (2)

(A) Write the scientific term:

1. They are consumers that exist at the top of food chains.
2. It transfers between animals in a food web to help them do their activities and survive.
3. It's the state of water after its freezing.
4. It's the state of matter that has definite volume and shape.

(B) What happens to: The coral reefs when the water temperature rises?

Question (3)

(A) Correct the underlined words:

1. Energy transfers when a secondary consumer feeds on a producer.
2. Plastic is healthy and smooth, so it's harmful to marine living organisms.
3. Water vapor is considered an example of solid matter.
4. Matter has color and volume.

(B) Study the following food chain, then complete:

Algae → clam → sea star → shark

1. Algae are considered ....
2. .... is a primary consumer.

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Question (1)

(A) Choose the correct answer:

1. Plants and trees can make their food by .... process.
   a. reproduction b. photosynthesis c. germination d. respiration
2. Matter consists of ....
   a. cells b. proteins c. particles d. muscles
3. Plants are .... because they absorb sunlight to make their own food.
   a. producers b. consumers
   c. decomposers d. nonliving things
4. Volume is the .... occupied by an object.
   a. time b. space c. temperature d. water

(B) What happens if: Decomposers are absent from an ecosystem?

Question (2)

(A) Put (✓) or (✗):

1. Iron rusting is a chemical change. ( )
2. Coral bleaching happens when the water temperature decreases. ( )
3. A measuring tape is used to measure the lengths of objects. ( )
4. Filtration and evaporation are ways of mixtures separation. ( )

(B) Define the physical change of matter.

Question (3)

(A) Choose from column (B) what suits it in column (A):

Column (A)	Column (B)
1. Air	a. is used to measure the volume of oil.
2. Measuring cup	b. is a mixture in gaseous state.
3. Food web	c. are considered a shelter for many living organisms.
4. Coral reefs	d. is a group of several interconnected food chains.

(B) Form a food chain by using the following organisms:

Grass – mouse – hawk – snake

Question (1)

(A) Choose the correct answer:

1. Photosynthesis process takes place inside the ______.
   a. roots b. stems c. leaves d. flowers
2. A food chain always starts with ______.
   a. producers b. consumers c. decomposers d. predators
3. The particles are packed tightly with each other in ______.
   a. water b. iron c. oxygen d. all the previous
4. The measuring unit of mass is ______.
   a. liters b. grams c. cm d. mL

(B) Form a food chain using the following organisms:

a. Small fish b. Seabirds c. Bacteria
d. Microorganisms floating on the surface of the sea

Question (2)

(A) Put (✓) or (✗):

1. The transport system of plants does the same function of the circulatory system in humans. ( )
2. Habitat loss is one of the main causes of extinction. ( )
3. The roof of a desert home is similar to that of a rainforest home. ( )
4. The matter changes from one state to another by increasing or decreasing the temperature. ( )

(B) What are the main parts of a plant?

Question (3)

(A) Complete the following statements using the words below:

(Phloem - bacteria and fungi - measuring tape - melts - balance - evaporates)

1. From the examples of decomposers are ______.
2. ______ transports the glucose from the leaves to other parts of the plants.
3. When ice ______, it will change from the solid state to the liquid one.
4. We can measure the length of a classroom using a ______.

(B) Give a reason for: Coral bleaching occurs.

First Term, 2022/2023

Question (1)

(A) Choose the correct answer:

1. .... is from nonliving things of the ecosystem.
   a. Fungus b. Plant c. Soil d. Grasshopper
2. Lion is one of the ....
   a. producers b. grass-eaters c. meat-eaters d. decomposers
3. An example of matter that is attracted to magnets is ....
   a. cork b. iron c. wood d. plastic
4. The measuring unit of volume is ....
   a. cm b. grams c. cm^3 d. kg

(B) Form a food chain by using the following organisms:

a. Grass b. Rat c. Hawk d. Snake

Question (2)

(A) Put (✓) or (✗):

1. Plants make their own food by respiration. ( )
2. Decomposers don't have a role in the ecosystem. ( )
3. The atmosphere is a mixture of many gases. ( )
4. Glass is a transparent material that is used in making eyeglasses. ( )

(B) Mention two methods of: Seed dispersal.

Question (3)

(A) Complete the following statements using the words below:

(model - physical - chemical - imbalance - producers - decomposers)

1. When a drought occurs in a lake, it causes .... in the ecosystem.
2. The .... get their energy from sunlight.
3. Iron rust and burning reactions are from .... changes.
4. A .... is a copy that is similar to the real thing to show what it looks like or works like.

(B) Give a reason for: Habitat loss occurs.

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امتحانات رقم (3)







Ministry of Education and Technical Education Models

Model (1)

Question (1):

A Choose the correct answer:

1. Photosynthesis process takes place inside the ....
   a. roots b. stem c. leaves d. flowers
2. The food chain always starts with ....
   a. producers b. consumers b. decomposers b. predators
3. The particles are packed tightly with each other is ....
   a. water b. iron b. oxygen b. all the previous
4. The measuring unit of mass is ....
   a. liter b. gram b. cm b. ml

B Form the food chain by using the following organisms:

1. Small fish 2. Seabirds 3. Bacteria
4. Microorganisms floating on the surface of the sea

Question (2):

A Put (✓) in front of the correct statements and (✗) in front of the wrong ones:

1. The transport system of plants does the same function of the circulatory system in humans. (   )
2. Habitat loss is one of the main causes of extinction. (   )
3. The roof of a desert home is similar to a rainforest home. (   )
4. The matter changes from one state to another by increasing or decreasing the temperature. (   )

B **What are the main parts of a plant?**

....

Question (3):

A **Complete the following statements by using the following words:**

(Phloem – bacteria and fungi – measuring tape – melts – balance – evaporates)

1. From the examples of decomposers is ....
2. .... transports the glucose from the leaves to other plant parts.
3. When ice ...., it will change from the solid state to a liquid one.
4. We can measure the length of a classroom by using a ....

B **What is the reason for coral bleaching?**

....

Model (2)

Question (1):

A Choose the correct answer:

1. .... is a nonliving part of the ecosystem.
   a. Fungus   b. Plant   c. Soil   d. Grasshopper
2. Lion is a ....
   a. producer   b. grass-eater   c. meat-eater   d. decomposer
3. An example of matter that is attracted to magnets is ....
   a. cork   b. iron   c. wood   d. plastic
4. The measuring unit of volume is ....
   a. cm   b. gram   c. cm^3 d. kg

B Form the food chain by using the following organisms:

a. Grass   b. Rat   c. Hawk   d. Snake

....

Question (2):

A Put (✓) in front of the correct statements and (✗) in front of the wrong ones:

1. The plants make their own food by respiration. (   )
2. Decomposers don't have a role in the ecosystem. (   )
3. The atmosphere is a mixture of many gases. (   )
4. Glass is a transparent material used in making eye glasses. (   )

B Mention two methods of seed dispersal:

....

....

Question (3):

A **Complete the following statements by using the following words:**

(Model – physical – chemical – imbalance – producers – decomposers)

1. When a drought occurs in a lake, it causes .... in the ecosystem.
2. The .... get their energy from sunlight.
3. Iron rust and burning reactions are from .... changes.
4. .... is a copy that is similar to a real thing to show what it looks like or what it works like.

B **What are the reasons of losing a habitat?**

....

Model (3)

Question (1):

A Choose the correct answer:

1. The .... transports water and nutrients from the roots to the leaves.
   a. stem b. root hair c. seed d. flower
2. Any food chain starts with ....
   a. insects b. plants c. fungi d. bacteria
3. Thermometers can be used to know the .... of water.
   a. shape b. color c. temperature d. weight

B Write the scientific term for the following statement:

The plant part that fixes the plant in the soil. (....................)

C Cross out the odd word:

Water - Oil - Light – Alcohol (....................)

Question (2):

A Put (✓) in front of the correct statements and (✗) in front of the wrong ones:

1. Coconut seeds can float on water. (   )
2. Plants and humans can make their own food. (   )
3. Climate changes, pollution and human activities affect the ecosystem. (   )
4. Glass is used to make tires because it is flexible. (   )

B Mention one of the human activities that affect the marine environment:

....

Question (3):

A **Complete the following sentences using the words between brackets:**

(solid - extinction – liquid - crab - measuring tape)

1. You can measure how tall you are by using a ....
2. Habitat loss is one of the main causes of ....
3. An example of scavenger organisms is the ....
4. The state of matter that doesn't have a shape is ....

B **What happens when:**

We leave ice outside the freezer.

....

Model (4)

Question (1):

A Choose the correct answer:

1. .... is an example of the physical changes.
   a. Iron rust b. Rot of fruit c. Condensation d. Making bread
2. A book length or width can be measured using a ....
   a. ruler b. thermometer c. scale d. measuring cup
3. All the following are chemical changes, except ....
   a. digestion of food b. striking
   c. adding vinegar to baking soda d. cutting cloth

B Cross out the odd word:

1. Plastic - Iron - Aluminum – Vinegar (....................)
2. Foxes – Lions - Tigers - Rabbits (....................)

Question (2):

A Write the scientific term for each of the following:

1. It is found in plants' leaves and it gives them the green color and absorbs the energy from the sun. (....................)
2. It is a model that shows one linear set of feeding relationships and energy flow between living organisms. (....................)
3. It is a copy that is similar to the real thing. (....................)
4. The state of water after its freezing. (....................)

B Give a reason for:

Green plants can make their own food.

....

Question (3):

A Match column (B) to column (A):

Column (A)	Column (B)
1 Steel	a. is a matter used to make tires.
2 Rubber	b. is used to manufacture hammers.
3 Balance	c. are measuring units of volume.
4 Liter – milliliter	d. is a tool that is used to measure mass.

1 .... 2 .... 3 .... 4 ....

B What happens to?

Coral reefs when the water temperatures rises.

....

Model (5)

Question (1):

A Choose the correct answer:

1. The .... transports water and nutrients from the roots to the leaves.
   a. stem b. root hair c. seed d. flower
2. Oil takes the .... of its container.
   a. volume b. mass c. shape
3. .... is a property that shows if an object floats or sinks in another matter.
   a. Color b. Odor c. Shape d. Density
4. On increasing the temperature of water (heating), it ....
   a. freezes b. melts c. condenses d. evaporates
5. All the following organisms can make their own food, except ....
   a. grass b. rabbits c. algae d. microorganisms

B What happens if ...?

A plant is placed in a dark place (A plant isn't exposed to sunlight for a few days.)

....

Question (2): Complete the following sentences:

1. Plants take .... from the air to make its food.
2. .... is an area where living and nonliving things interact with each other.
3. Bread mold and mushroom are two types of ....
4. .... is anything that has mass and takes up space.
5. Copper is used to make electric wires and ....

Question (3):

A Match column (B) to column (A):

Column (A)	Column (B)
1 The number of organisms of one species that lives in an area.	a. Recycle
2 A condition in which coral reefs turn completely into white.	b. Prey
3 A process through which humans can make new products from waste materials.	c. Coral bleaching
4 The animal that is eaten by another animal.	d. Population

1 .... 2 .... 3 .... 4 ....

B Give a reason for:

Burdock seeds can stick to animals' fur.

....



Ministry of Education and Technical Education Models

Model (1)

Question (1):

A Choose the correct answer:

1. Photosynthesis process takes place inside the ....
   a. roots b. stem c. leaves d. flowers
2. The food chain always starts with ....
   a. producers b. consumers b. decomposers b. predators
3. The particles are packed tightly with each other is ....
   a. water b. iron b. oxygen b. all the previous
4. The measuring unit of mass is ....
   a. liter b. gram b. cm b. ml

B Form the food chain by using the following organisms:

1. Small fish 2. Seabirds 3. Bacteria
4. Microorganisms floating on the surface of the sea

Microorganisms floating on the surface of the sea ⟶ Small fish ⟶ Seabirds ⟶ Bacteria

Question (2):

A Put (✓) in front of the correct statements and (✗) in front of the wrong ones:

1. The transport system of plants does the same function of the circulatory system in humans. (✓)
2. Habitat loss is one of the main causes of extinction. (✓)
3. The roof of a desert home is similar to a rainforest home. (✗)
4. The matter changes from one state to another by increasing or decreasing the temperature. (✓)

B **What are the main parts of a plant?**

The main parts of a plant are the root, stem and leaves.

Question (3):

A **Complete the following statements by using the following words:**

(Phloem – bacteria and fungi – measuring tape – melts – balance – evaporates)

1. From the examples of decomposers is bacteria and fungi.
2. Phloem transports the glucose from the leaves to other plant parts.
3. When ice melts, it will change from the solid state to a liquid one.
4. We can measure the length of a classroom by using a measuring tape.

B **What is the reason for coral bleaching?**

The increase the temperature of water is the reason for coral bleaching.

Model (2)

Question (1):

A Choose the correct answer:

1. .... is a nonliving part of the ecosystem.
   a. Fungus b. Plant c. Soil d. Grasshopper
2. Lion is a ....
   a. producer b. grass-eater c. meat-eater d. decomposer
3. An example of matter that is attracted to magnets is ....
   a. cork b. iron c. wood d. plastic
4. The measuring unit of volume is ....
   a. cm b. gram c. cm^3 d. kg

B Form the food chain by using the following organisms:

a. Grass b. Rat c.Hawk d. Snake

Grass ⟶ Rat ⟶ Snake ⟶ Hawk

Question (2):

A Put (✓) in front of the correct statements and (✗) in front of the wrong ones:

1. The plants make their own food by respiration. (✗)
2. Decomposers don't have a role in the ecosystem. (✗)
3. The atmosphere is a mixture of many gases. (✓)
4. Glass is a transparent material used in making eye glasses. (✓)

B Mention two methods of seed dispersal:

1. Floating on water: coconut seeds
2. By wind: maple and dandelion seeds
3. Sticking to animal fur: burdock seeds
4. Eaten by animals: tomato seeds

Question (3):

A Complete the following statements by using the following words:

(Model – physical – chemical – imbalance – producers – decomposers)

1. When a drought occurs in a lake, it causes imbalance in the ecosystem.
2. The producers get their energy from sunlight.
3. Iron rust and burning reactions are from chemical changes.
4. Model is a copy that is similar to a real thing to show what it looks like or what it works like.

B What are the reasons of losing a habitat?

The reasons of losing a habitat are pollution, overfishing, building up more buildings and roads, and throwing wastes in water.

Model (3)

Question (1):

A Choose the correct answer:

1. The .... transports water and nutrients from the roots to the leaves.
   a. stem b. root hair c. seed d. flower
2. Any food chain starts with ....
   a. insects b. plants c. fungi d. bacteria
3. Thermometers can be used to know the .... of water.
   a. shape b. color c. temperature d. weight

B Write the scientific term for the following statement:

The plant part that fixes the plant in the soil. (Root)

C Cross out the odd word:

Water - Oil - Light – Alcohol (Light)

Question (2):

A Put (✓) in front of the correct statements and (✗) in front of the wrong ones:

1. Coconut seeds can float on water. (✓)
2. Plants and humans can make their own food. (✗)
3. Climate changes, pollution and human activities affect the ecosystem. (✓)
4. Glass is used to make tires because it is flexible. (✗)

B Mention one of the human activities that affect the marine environment:

The human activities that affect the marine environment are over fishing and water pollution.

Question (3):

A **Complete the following sentences using the words between brackets:**

(solid - extinction – liquid - crab - measuring tape)

1. You can measure how tall you are by using a measuring tape.
2. Habitat loss is one of the main causes of extinction.
3. An example of scavenger organisms is the crab.
4. The state of matter that doesn't have a shape is liquid.

B **What happens when:**

We leave ice outside the freezer.

Ice will melt changing from the solid state (ice) into the liquid state (water).

Model (4)

Question (1):

A Choose the correct answer:

1. .... is an example of the physical changes.
   a. Iron rust b. Rot of fruit c. Condensation d. Making bread
2. A book length or width can be measured using a ....
   a. ruler b. thermometer c. scale d. measuring cup
3. All the following are chemical changes, except ....
   a. digestion of food b. striking
   c. adding vinegar to baking soda d. cutting cloth

B Cross out the odd word:

1. Plastic - Iron - Aluminum – Vinegar (Vinegar)
2. Foxes – Lions - Tigers - Rabbits (Rabbits)

Question (2):

A Write the scientific term for each of the following:

1. It is found in plants' leaves and it gives them the green color and absorbs the energy from the sun. (Chlorophyll)
2. It is a model that shows one linear set of feeding relationships and energy flow between living organisms. (Food chain)
3. It is a copy that is similar to the real thing. (Model)
4. The state of water after its freezing. (Solid state)

B Give a reason for:

Green plants can make their own food.

Because plants make photosynthesis process.

Question (3):

A Match column (B) to column (A):

Column (A)	Column (B)
1 Steel	a. is a matter used to make tires.
2 Rubber	b. is used to manufacture hammers.
3 Balance	c. are measuring units of volume.
4 Liter – milliliter	d. is a tool that is used to measure mass.

1 b 2 a 3 d 4 c

B What happens to?

Coral reefs when the water temperatures rises.

Coral reefs get rid of algae and their color turn to white.

Model (5)

Question (1):

A Choose the correct answer:

1. The .... transports water and nutrients from the roots to the leaves.
   a. stem b. root hair c. seed d. flower
2. Oil takes the .... of its container.
   a. volume b. mass c. shape
3. .... is a property that shows if an object floats or sinks in another matter.
   a. Color b. Odor c. Shape d. Density
4. On increasing the temperature of water (heating), it ....
   a. freezes b. melts c. condenses d. evaporates
5. All the following organisms can make their own food, except ....
   a. grass b. rabbits c. algae d. microorganisms

B What happens if ...?

A plant is placed in a dark place (A plant isn't exposed to sunlight for a few days.)

It cannot make photosynthesis process and it will die.

Question (2): Complete the following sentences:

1. Plants take carbon dioxide from the air to make its food.
2. Ecosystem is an area where living and nonliving things interact with each other.
3. Bread mold and mushroom are two types of decomposers.
4. Matter is anything that has mass and takes up space.
5. Copper is used to make electric wires and cooking pots.

Question (3):

A Match column (B) to column (A):

Column (A)	Column (B)
1 The number of organisms of one species that lives in an area.	a. Recycle
2 A condition in which coral reefs turn completely into white.	b. Prey
3 A process through which humans can make new products from waste materials.	c. Coral bleaching
4 The animal that is eaten by another animal.	d. Population

1 d   2 c   3 a   4 b

B Give a reason for:

Burdock seeds can stick to animals' fur.

Because burdock seeds have spines.

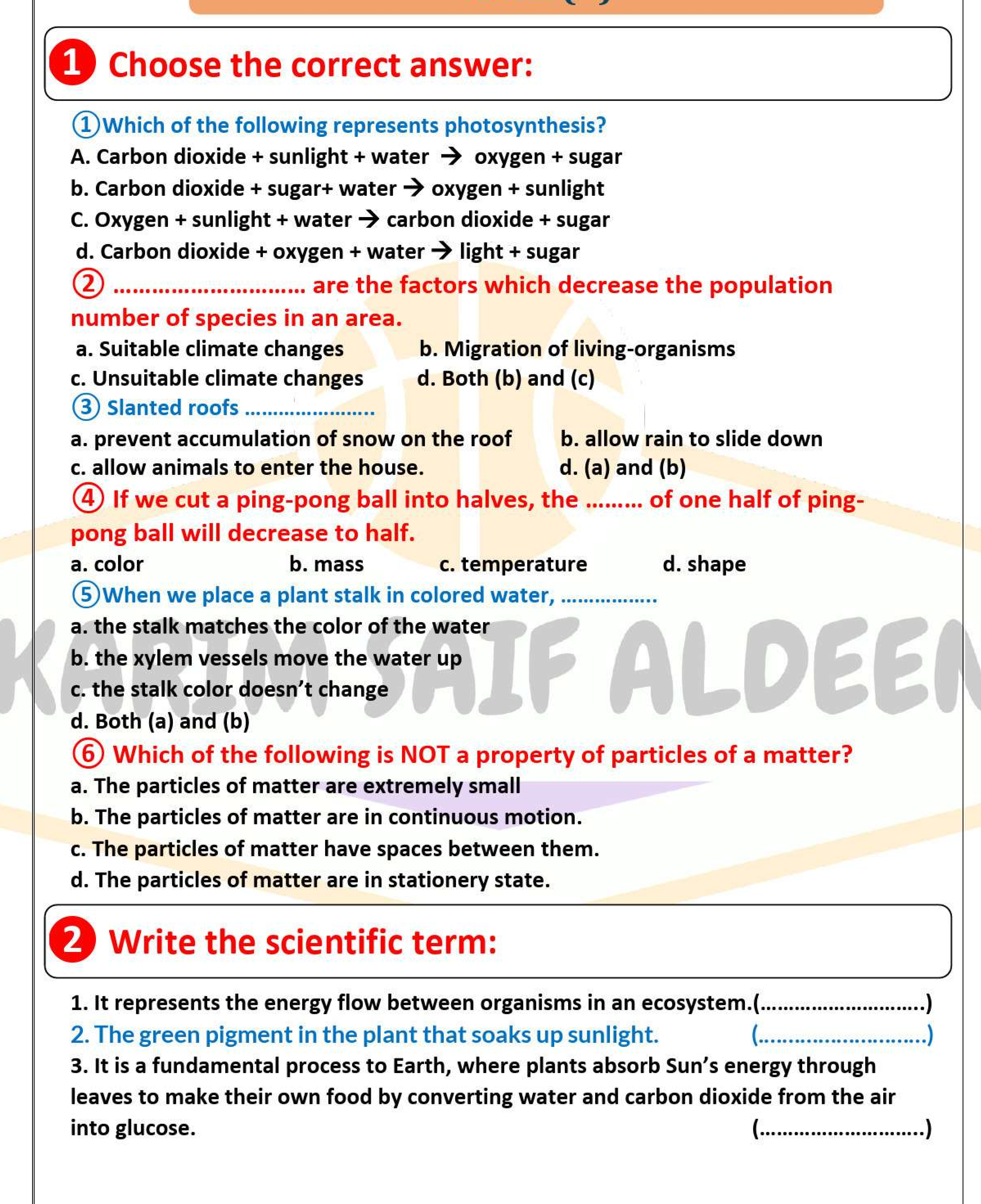
امتحانات رقم (4)







Exam (1)



1 Choose the correct answer:

①Which of the following represents photosynthesis?

A. Carbon dioxide + sunlight + water → oxygen + sugar

b. Carbon dioxide + sugar+ water → oxygen + sunlight

C. Oxygen + sunlight + water → carbon dioxide + sugar

d. Carbon dioxide + oxygen + water → light + sugar

② ……………………….. are the factors which decrease the population number of species in an area.

a. Suitable climate changes   b. Migration of living-organisms

c. Unsuitable climate changes   d. Both (b) and (c)

③ Slanted roofs …………………..

a. prevent accumulation of snow on the roof   b. allow rain to slide down

c. allow animals to enter the house.   d. (a) and (b)

④ If we cut a ping-pong ball into halves, the ……… of one half of ping-pong ball will decrease to half.

a. color   b. mass   c. temperature   d. shape

⑤When we place a plant stalk in colored water, …………….

a. the stalk matches the color of the water

b. the xylem vessels move the water up

c. the stalk color doesn't change

d. Both (a) and (b)

⑥ Which of the following is NOT a property of particles of a matter?

a. The particles of matter are extremely small

b. The particles of matter are in continuous motion.

c. The particles of matter have spaces between them.

d. The particles of matter are in stationery state.

2 Write the scientific term:

1. It represents the energy flow between organisms in an ecosystem.(……………………….)

2. The green pigment in the plant that soaks up sunlight.   (……………………….)

3. It is a fundamental process to Earth, where plants absorb Sun's energy through leaves to make their own food by converting water and carbon dioxide from the air into glucose.   (……………………….)

❸ True or False

1. When water turns into ice, the speed of movement of its particle increases.
2. Rusting of iron, is one of its chemical properties. ( )
3. Invasive species increases the number of marine animals. ( )
4. The blood in human circulatory system doesn't move in specific direction. ( )
5. Energy does not flow between 2 consumers at the beginning of the food chain. ( )
6. Cork molecules are tightly packed than iron, so it sinks. ( )
7. The air that plants need moves into leaves through tiny openings called chloroplast ( )

❹ Answer the following questions:

① Plants depend on humans' respiration waste products, while humans depend on plant waste products from the photosynthesis. Explain.

....

....

② What will happen if a liquid changes into gas?

....

....

❺ Complete the following sentences by using words below:

(chemical – jelly fish – decomposers – physical)

1. Decomposition process done by ………………. .
2. When we distinguish between of perfume and vinegar according to odor, this indicates one of the ……… properties of perfume and vinegar.
3. The real food of sea turtles is the ………………..

Exam (2)

1 Choose the correct answer:

① Photosynthesis occurs in the chloroplasts of plant cells. Which gas is released during this process?

a. Nitrogen b. Hydrogen c. Oxygen d. Carbon dioxide.

② What might happen if the primary consumer was removed from an ecosystem?

a. There would be more food for secondary consumers.

b. The number of plants would decrease.

c. The number of plants would increase.

d. The number of secondary consumers would increase.

③ An artery ....

a. pumps blood to the heart

b. pumps blood to and from the hear

c. carries blood away from the heart

d. carries blood low in oxygen

④ When salt water mixture is exposed to warm surface, ...

a. water and salt evaporate.

b. water evaporates and the liquid salt is left behind.

c. salt evaporates and the liquid water is left behind.

d. water evaporates and the solid salt is left behind.

⑤ Copper is used in making electric wires because ....

a. it is easily to be shaped

b. it is a good conductor of electricity

c. it is a good conductor of heat

d. Both (a) and (b)

2 Write the scientific term:

1. The process by which natural habitat becomes incapable of supporting its native species. (................................)

2. A state of matter whose particles slide past each other. (................................)

3. The measuring unit that is equal to the mass of one paperclip. (................................)

4. A material that allows an electric current to pass through it easily. (................................)

5. The system that transports water, minerals and sugar throughout the plant body. (................................)

❸ True or False

1. Roots of plants collect sunlight and carbon dioxide gas from air. ( )
2. Kilogram of water has a volume equals 1000 millilitres. ( )
3. The temperature increases by increasing the speed of moving particles. ( )
4. Light and sound are not forms of matter. ( )
5. Pollution affects food resources and animal habitats. ( )
6. When hot water vapor hits cooler air it forms steam. ( )
7. Arteries are vessels in human circulatory system that carry blood rich in carbon dioxide gas. ( )

❹ Answer the following questions:

① Carbon dioxide has no definite shape or volume.

....

....

② What will happen if the climate change is unsuitable for a population of one type of species?

....

....

❺ Complete the following sentences:

1. The movement of particles of matter increases in case of …………….. and …………… processes.
2. Any matter is made up of millions of tiny ……… that we can't see with our eyes.
3. Habitat loss is not the only decrease marine population but also it is one of the main causes of ………………
4. Scientists divided living organisms into 3 groups; producers, consumers and ……………………..

Exam (3)

1 Choose the correct answer:

① Leakage of oil into seawater negatively affects the ....

a. desert organisms
b. marine organisms
c. forest organisms
d. rivers organisms

② All the following examples belong to physical changes, except............

a. cutting a piece of paper
b. melting of ice.
c. digestion of food.
d. condensation of water vapor

③ Root hairs are important for the plant, ...

a. as they decrease the surface area of the roots to keep in water
b. as they increase the surface area of the roots to decrease absorption
c. as they increase the surface area of the roots to increase absorption
d. No correct answer.

④ Any increase or decrease in the number of organisms of one type of species is known as ....

a. an ecosystem
b . adaptation .
c. a climate change
d . a population change

⑤ Desalination process means that we remove .... from water to drink it.

a. sugar.
b. salt
c. oxygen gas
d. hydrogen gas

⑥ The secondary consumer is considered as ....

a. a prey for primary and tertiary consumers.
b. a predator for primary and tertiary consumers.
c. a prey for primary consumer.
d. a prey for tertiary consumer.

2 Write the scientific term:

1. It is the number of organisms of one type of species live in an area. (............................)

2. A human activity that leads to decreasing the number of fish and affecting many marine food webs. (............................)

3. Parts of the plant that are responsible for reproduction. (............................)

4. A tool used to measure the length of a wall. (............................)

5. The building units of matter. (............................)

❸ True or False

1. Phloem transports food materials downward from the leaves to other parts of the plant. ( )

2. The speed of water vapor particles is slower than that of water particles. ( )

3. Germs are very large organisms that can be seen with the naked eye. ( )

4. Dandelion seeds have spines, so they stick to animal fur. ( )

5. The ability of matter to burn and rust are considered from physical properties of matter. ( )

6. Two equal amounts of sugar and salt can take the same space at the same time. ( )

❹ Answer the following questions:

① Carbon dioxide has no definite shape or volume.

....

....

② What will happen if the climate change is unsuitable for a population of one type of species?

....

....

❺ Complete the following sentences:

1. Nutrients that are resulted from decomposition process and returned back to the soil, can be consumed again by ……………….

2. In the Earth's polar zone, people use ………… in building their home roofs to protect them from …………. .

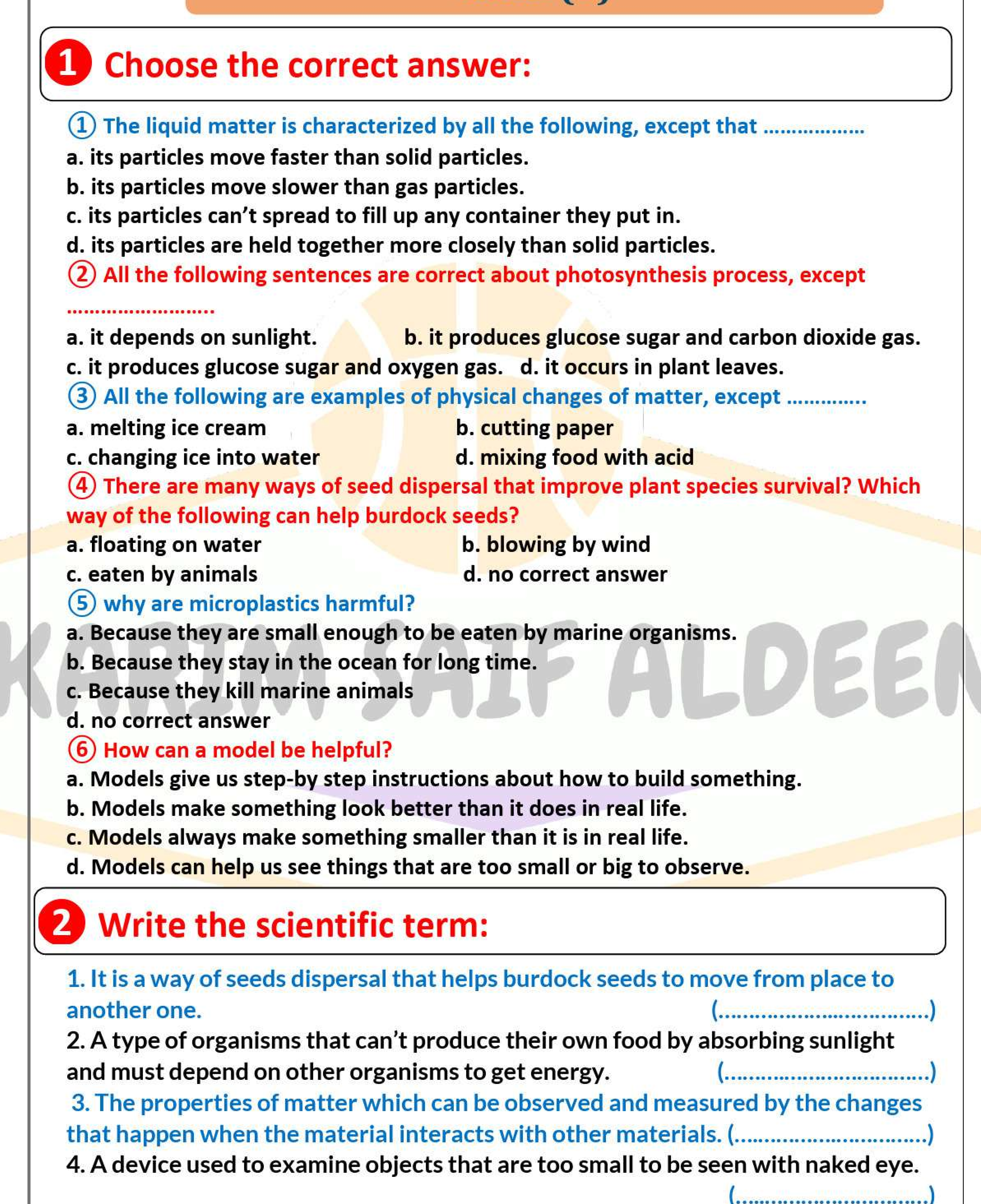
3. In a food chain, the energy flows from ……………consumer to a secondary consumer.

4. ………. is a copy that is similar to real thing to show what it look or work like.

❻ What happens if .. ?

1. The volume of a coin if we transfer it from a cup to another cup.

....



Exam (4)

1 Choose the correct answer:

① The liquid matter is characterized by all the following, except that ………………

a. its particles move faster than solid particles.
b. its particles move slower than gas particles.
c. its particles can't spread to fill up any container they put in.
d. its particles are held together more closely than solid particles.

② All the following sentences are correct about photosynthesis process, except ……………………..

a. it depends on sunlight. b. it produces glucose sugar and carbon dioxide gas.
c. it produces glucose sugar and oxygen gas. d. it occurs in plant leaves.

③ All the following are examples of physical changes of matter, except …………..

a. melting ice cream b. cutting paper
c. changing ice into water d. mixing food with acid

④ There are many ways of seed dispersal that improve plant species survival? Which way of the following can help burdock seeds?

a. floating on water b. blowing by wind
c. eaten by animals d. no correct answer

⑤ why are microplastics harmful?

a. Because they are small enough to be eaten by marine organisms.
b. Because they stay in the ocean for long time.
c. Because they kill marine animals
d. no correct answer

⑥ How can a model be helpful?

a. Models give us step-by step instructions about how to build something.
b. Models make something look better than it does in real life.
c. Models always make something smaller than it is in real life.
d. Models can help us see things that are too small or big to observe.

2 Write the scientific term:

1. It is a way of seeds dispersal that helps burdock seeds to move from place to another one. (……………………………….)
2. A type of organisms that can't produce their own food by absorbing sunlight and must depend on other organisms to get energy. (……………………………….)
3. The properties of matter which can be observed and measured by the changes that happen when the material interacts with other materials. (…………………………….)
4. A device used to examine objects that are too small to be seen with naked eye. (…………………………….)

3 True or False

1. When water turns into ice, the speed of movement of its particles increases. (   )
2. Wood is used in handles of cooking pans, as it is a good conductor of heat. (   )
3. Rusted iron and burning wood are examples of chemical changes. (   )
4. Solids and liquids both have definite shapes. (   )
5. The transport system in plants and human move elements in one-way direction. (   )

4 Answer the following questions:

① **Coral bleaching happens when the water temperature rises.**

....

....

② **Particles of gasses can spread out quickly to fill up any containers they put in.**

....

....

③ **What are the reasons of losing habitat?**

....

....

5 Complete the following sentences:

1. **A predator get …………….. from the prey which feeds on.**
2. **If climate change is suitable, the population of a species will ………………………..**
3. **The increase or decrease of one type of species in an area is known as ……………**
4. **Iron rust and burning reactions are from ………………… change.**

Exam (5)

❶ Choose the correct answer:

1. ……………… are the factors which decreases the population number of species in an area.

a. Suitable climate changes b. Migration of living-organisms
c. Unsuitable climate changes d. Both (b) and (c)

2. How are solids unique from other forms of matter?

a. Solids take the shape of any container. b. solids can be poured.
c. Solids have a definite size and shape d. solids fill whatever container they are put in.

3. The common property between solid, liquid and gases is that ……………………..

a. they have a fixed shape b. they can spill
c. they made up of particles d. they take the shape of their containers

4. Physical processes which need heating include ………………

a. melting and freezing b. melting and condensation
c. melting and evaporating d. freezing and evaporation

⑤ Plants use energy from ………………….. to make their own food.

a. carbon dioxide. b. bateries c. sunlight d. wind

❷ Answer the following questions:

A) Arteries and veins both have specific functions. Compare them concerning the type of gas that each one carries.

………………………………………………………………………………………

………………………………………………………………………………………

B) There are different levels of consumers, what are they?

………………………………………………………………………………………

………………………………………………………………………………………

❸ Write the scientific terms

1. They are very small particles that result from breaking down of plastic products. (……………………………)
2. A state of matter that a little space between its particles. (……………………………)
3. It is a copy that is similar to the real things. (……………………………)
4. It transfers between animals in a food web, to help them do their activities and survive. (……………………………)
5. They are nature's recycling factory. (……………………………)
6. It is the change of water from gas state to solid state. (……………………………)

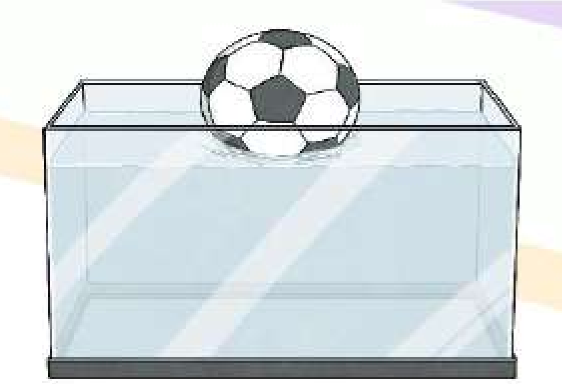
❹ Matching the following:

(A)	(B)
1. A Coral reef	a. are Interconnected food chains
2. Predator	b. Helps us see the different parts that help germs spread
3. Food webs	c. It is a place where scientists take care of corals till grow up and reproduce.
4. Germs model	d. Particles that are packed tightly together.
5. Solid	e. Consumer that eats another consumer
6. Nursery	f. Is one of life forms of ecosystem

❺ Complete the following sentences:

1. When two substances combing and form a new substance, this new substance is called a ……………………
2. Cooking pans can be made of copper because it is good conductor of ………. , while electrical wires can be made of copper because it is good conductor of …………………
3. Melting is the change of matter from ………. state to ……… state by heating.
4. Liquids that come out of a volcano have definite …………… but they have no definite……………
5. The transport system of the plant consists of ……………………… and ……………………

❻ Look at the following figure, then complete the following





1. Matter is made up of tiny particles are called (molecules – cells).
2. Mass affects sinking or floating. (True – False).



Exam (6)

1 Choose the correct answer:

① Particles of all the following substances have a lot of energy, except ....

a. water vapor b. carbon dioxide
c. oxygen d. rubber

② Identify the correct order of this food chain ....

a. Owl → Frog→ Grasshopper → Grass
b. Grass → Owl → frog → Grasshopper
c. Grass→ Grasshopper → Frog → Owl
d. Grasshopper → Frog → Grass → Owl

③ Separating salt from seawater indicates that ....

a. a chemical reaction between water and salt has occurred.
b. a chemical reaction between water and salt has not occurred
c. a physical change has occurred when salt is mixed with water.
d. Both (b) and (c)

④ Plants and humans depend on each other, because ....

a. plants use the oxygen humans produce
b. plants need someone to water them
c. plants use the carbon dioxide humans release and turn it into oxygen
d. plants use the glucose humans give them

⑤ Burning a piece of paper is considered as .... of matter.

a. only physical property b. only chemical property
c. both physical and chemical properties d. neither physical or chemical

⑥ Which of the following is taken in from the atmosphere through leaves to make food for a plant?

a. Carbon dioxide. b. Glucose. c Oxygen. d. Hydrogen.

2 Answer the following:

A) Give a reason:

1. The rust formation is a chemical property.

....

....

2. Sugar is a solid, while milk is a liquid.

....

....

B) What happens if ...?

1. We leave a warmed-up tea for 30 minutes in cold air.

(according to the speed of particles)

……………………………………………………………………………………………………

……………………………………………………………………………………………………

C) List one physical property for each item:

1. Helium (……………………………………………….)
2. Rubber (……………………………………………….)

D) Mention two examples of chemical changes:

1. ……………………………… 2. ………………………………..

2 Write the scientific term:

1. The state which takes up space all around us, has an indefinite shape, and is invisible. (……………………………)
2. Small particles of plastic products harm the marine organisms. (……………………………)
3. They live on the surface of the sea and need cold water to survive. (……………………………)
4. It shows a complex feed relationship between different organisms. (……………………………)
5. It is a copy that is similar to a real thing. (……………………………)
6. It is anything that has mass and volume. (……………………………)
7. The state of matter that has a lot space between its particles. (……………………………)
8. The tool used to measure the length of a wall. (……………………………)

Exam (7)

1 Choose the correct answer:

1. Coral reefs are negatively affected by………………..

a. rising water temperature only.
b. ingesting micro plastics only.
c. Both of rising temperature and ingesting micro plastics.
d. neither rising of temperature nor ingesting micro plastics.

2. During burning of wood .... energies are produced.

a. electrical and light. b. thermal and light
c. thermal and electrical d. sound and electrical

3. Hawk eats a rabbit to get energy, this means that ……………

a. hawk and rabbit are predators. b. the hawk is a predator.
c. the hawk is a prey d. the rabbit is a predator

4. Some liquids come out of a .... during its eruption .

a. Star b. wooden piece
c. volcano d. plastic piece

5. When something freezes, it changes from a ……………….. state to a ……………….. state.

a. gas – solid b. solid-gas
c. liquid – solid d. liquid- gas

6. Which seed is dispersed by floating on water?

a. burdock seed b. maple seed
c. coconut seed d. tomato seed

7. What will happen to the ice cream if it is left on a table overnight?

a. the ice cream will be a gas b. the ice cream will be a liquid
c. the ice cream will disappear d. nothing will happen to the ice cream.

8. Which of the following human activities causes the greatest destruction to the environment?

a. replanting trees b. recycling cardboard boxes
c. burning fossil fuels d. using solar energy

9.All the following happen to the particles of oil when it is cooled, except that they …………….

a. move slower b. move faster
c. vibrate less d. come close together

10. Which of the following examples can be poured and has particles that can be slide past each other?

a. Iron rod   b. Milk   c. Oxygen   d. Chair

❷ Answer the following:

(A) Give reason for

Food webs can be destroyed due to pollution.

……………………………………………………………………………………

……………………………………………………………………………………

(B) What happens if:

There is no decomposition process done on the Earth.

……………………………………………………………………………………

……………………………………………………………………………………..

❸ True or False

1. Phloem transports water and nutrients from the roots to the leaves. ( )

2. plastic wastes are broken down into small pieces called micro plastics. ( )

3. The first link in any food chain is a consumer. ( )

4. Copper is used in making cooking pans because copper is good conductor of electricity. ( )

5. The relationships between living organisms cause the balancing of ecosystem. ( )

❺ Complete the following sentences:

1. Melting of wax is a………….. change, while burning of wood is a………. change.

2. We can use……………gas to blimps, because it is lighter than……….

3. Particles of…………………matter can slide over each other so they take the …………..of their containers.

Exam (8)

1 Choose the correct answer:

1. All the following sentences describe decomposers except ……………

a. organisms that feed on dead animals
b. organisms that feed on plants
c. organisms that recycle all energy back into the ecosystem
d. organisms that obtain food from the remains of other organisms

2. Food web are found in …………

a. desert
b. rain forest
c. oceans
d. all the previous answers

3. Among matter which has definite shape and volume are ………….

a. sugar cube and water
b. chair and table
c. air and wood
d. iron and oxygen

4. To separate sand only from salty water, we can use …………. process.

a. filtration
b. evaporation
c. melting
d. freezing

5. When water becomes ice, this means that it changes from …………….. state to ……………..state.

a. solid – liquid
b. solid – gas
c. liquid – solid
d. liquid – gas

6. Cutting a paper into small pieces causes a change in its …………….

a. shape only
b. size only
c. shape and color
d. shape and size

2 Write the scientific term:

1. The change of matter from gas state to liquid state by cooling. (………………..)

2. They are organisms that feed on the dead organisms' bodies and break them down into smaller pieces. (………………..)

3. It is the amount of space that matter takes up. (………………..)

4. Part of the plant that are responsible for reproduction. (………………..)

5. It is the number of organisms of one type of species live in an area. (………………..)

6. It provides the organisms with necessary needs. (………………..)

❸ Answer the following:

1. Photosynthesis process is the most important process that occurs in nature.

……………………………………………………………………………..…

……………………………………………………………………………...

❹ True or False

1. The attraction of different materials to the magnet is from chemical. (   )
2. All living organisms can do photosynthesis process. (   )
3. A mass of matter is the space occupied by this matter. (   )
4. Vinegar and frozen vegetables have definite shape. (   )
5. Particles of an aluminium spoon are similar to particles of a golden ring. (   )
6. Among land activities that affects the marine environment is the cultivation of land. (   )
7. A flower is a reproductive part of all plants. (   )



❶ Choose the correct answer:

Exam (9)

①Gases differ from solids and liquids in that gases ....

a. can't be poured b. fill any container they are put in.

c. have a definite shape d . have a definite volume.

②We can use filtration process to remove all the following from sea water, except……………..

a. seaweed b. salt

c. shells d. fish.

③ Burning of wood is considered as ………… of matter .

a. only physical property.

b. only chemical property.

c. both physical and chemical properties.

d. neither physical nor chemical properties.

④ All the following may occur due to habitat loss, except...............

a. increasing of population. b. decreasing of population.

c. extinction of some organisms. d. decreasing of resources.

⑤ How are solids unique from other forms of matter?

a. Solids take the shape of any container.

b. Solids have a definite size and shape.

c. Solids can be poured.

d. Solids fill whatever container they are put in.

⑥All of the following are similarities between the circulatory system in humans and vascular systems in plants, except …………..

a. both are transport systems

b. both transport water, nutrients, and dissolved substances

❷ True or False

c. both don't have vessels that transport substances in specific directions

d. All the previous answers

1. Water and nutrients reach the plant's leaves with the help of roots only. ( )

2. Drinking salt water makes the human body dehydrate slower. ( )

3. Steam of boiling water is considered the gas state of water. ( )

4. Models can help us see things that are too small or too big to observe. ( )

❹ Answer the following questions:

5. Spaces among the particles of ice cube are very close. (   )

(A) Give a reason:

① Both of rising water temperature and ingesting microplastics are harmful for coral reefs.

❺ Write the scientific term for each of the following:

....

....

1. The process by which natural habitat becomes incapable of supporting its native species. (..........................)
2. They are the building blocks of matter. (..................................)
3. They are the nature's recycling factories. (..........................)
4. A blood vessels that carries blood rich in carbon dioxide and low in oxygen. (..................................)
5. They live on the surface of sea and need cold water to survive. (..........................)

Exam (10)

1 Choose the correct answer:

1. A watermeleon has more matter than a grape, so it has more …………….

a. length b. volume c. mass d. width

2. Which of the following is true about particles of different states?

a. they move alike b. they can be seen c. they move freely d. they take up space

3. Space between are the largest in the …………………. state.

a. solid b. liquid c. gaseous d. liquid and gases

4. All the following are among the products pf photosynthesis process that are used by the plants to grow except …………………

a. sugars b. proteins c. fats d. oxygen

5. Seeds that are dispersed by humans and animals…………………

a. can float on water b. have bad taste

c. have hooks or spines d. have wing-like structures

2 Answer the following questions:

1 Look at the opposite food chain, then answer:

A) what would happen to the frog population if the owl population suddenly decreased due to disease?

a. It would increase b. It would stay the same c. it would decrease

B) What would happen to the snail population if the owl population suddenly decreased due to disease?

a. It would increase b. It would stay the same c. it would decrease

C) Which one of the following get the energy directly?

a. Owl from plant b. Frog from owl c. owl from frog

2 Classify the following into a physical or chemical change:

a. Car rusting. (……………………..……)

b. Condensation of water vapor. (……………………………)

c. Cutting an apple in halves. (…..…………………...)

d. Burning paper. (…………………..……)

3 Write the scientific term:

1. It is a made of two or more substance that are not chemically combined. (……………………………….)
2. They are any increase or decrease in the number of the organisms in an area. (……………………………….)
3. They are organisms that recycle nutrients by decay the dead organisms into soil. (……………………………….)

4 True or False

1. An unexpected change in color is a sign of a physical change. (   )
2. Air is colorless matter, so it doesn't have volume or mass. (   )
3. Iron sinks in water. (   )
4. Loss of habitat causes loss of shelter, food, and water for living organisms. (   )
5. We use many different characteristics to describe objects, including size, color and hardness. (   )
6. Coral reefs are important for marine organisms and humans . (   )
7. If a substance is warmed up, its particles will gain energy and move faster, but if the matter is cooled down, its particles will lose energy and move slower. (   )
8. Fungi are classified as decomposer. (   )
9. The phloem vessels carry glucose from the leaves to all the plant parts. (   )



Exam (11)

❶ Choose the correct answer:

① **Which sentence is correct about gaseous state?**

a. They are packed tightly together and move very freely.
b. They are particles have the least energy and move very freely.
c. They are particles have more space and move a little bit
d. They are particles have a lot of space and move freely.

② **In plant's leaves, ……………. energy is converted into ………………… energy during photosynthesis.**

a. sound – light
b. light – chemical
c. chemical – light
d. kinetic – light

③ **All the following are reasons lead to death of coral except ………………**

a. absence of zooplankton and algae
b. Temperature rises
c. Plastic pollution
d. they need sunlight

④ **All the following are from physical properties of copper except that ……….**

a. it is good conductor of electricity.
b. it is good conductor of heat.
c. It can be stretched into wires.
d. it is lighter than air.

⑤ **Healthy habitat means ……………**

a. providing organisms with nutrients only.
b. providing organisms with shelter only.
c. increasing the pollutants in the ecosystem.
d. both (a) and (b)

❷ Write the scientific term:

1. They are introduced organisms that becomes overpopulated and harms its new environment. (…………………………………….)
2. **It is not a state of matter but a form of energy.** (…………………………………………….)
3. The model that shows many different feeding relationships among living things. (…………………………………………….)
4. **The state which takes up space all around us, has an indefinite shape, and is invisible.** (…………………………………………….)
5. It is made of two or more substances that are chemically combined. (…………………………………………….)

❸ True or False

1. **The different parts of a plant work together in a system.** (   )
2. **During photosynthesis process, chemical energy is transformed into light energy.** (   )
3. **Light and sound are forms matter. that are in continuous motion.** (   )

Exam (12)

1 Choose the correct answer:

①A …………… and ……………. are examples of solids.

a. book – ice b. juice – ice

c. ruler – steam d. bottle – milk

②The volume of 1000 cubic centimeters of liquid equal the same volume of ……………………….

a. 1 kilogram b. 1 gram

c. 1 centimeter d. 1 litre

③Which of the following is the proper order of a short food chain?

a. Producers → Decomposers

b. Consumers → Producers → Decomposers

c. Consumers → Producers → Consumers

d. Producers → Consumers → Decomposers

④Pollution causes …………… to the food web.

a. that the food becomes rare for another species.

b. escaping of some animals to another places.

c. increasing the number of producers.

d. Both (a) and (b)

⑤What would happen to the seabird population if the small fishes population suddenly decreased due to death of microorganisms?

a. It would increase. b. It would stay the same.

c. It would decrease. d. No correct answer.

2 Write the scientific term:

① Flying living organisms that build their nests on the top of mountain cliffs and dive deeply into the sea to eat. (……………………………)

② The properties of matter which can be observed and measured by the changes that happen when the material interacts with other materials.

(……………………………)

③ The destruction of habitats or their qualities that harms organisms.

(……………………………)

④It is the tool that is used to measure the length of room.

(……………………………)

⑤Vessels in plant through which water and nutrients move up from roots to leaves.

(……………………………)

❸ True or False

① Ecosystem can be negatively affected by climate changes, pollution and human activities. ( )

② Matter never changes from one form into another. ( )

③What is happening on land doesn't affect what is happening in marine ecosystem. ( )

④ Oxygen and glucose are transported from the leaves to the plant parts through phloem. ( )

⑤ Evaporation process means that matter changes from liquid state to gas state. ( )

⑥ The flow of energy in food webs is not affected when the natural habitats are destroyed. ( )

❹ Answer the following:

A) What happens when ..?

1. Humans convert plastic grocery bags into cloth.

....

....

B) Give reason for:

1. Sunlight is important for all living organisms.

....

....

....

❺ Complete the following sentences:

①When a sea turtle eats a jellyfish, this means that the sea turtle is a....... living organism.

②Changing the color of iodine and starch mixture is a ……………change while changing color of water by food color ing is a…………..change.

③We can differentiate between ice and water as ice is a............. State while water is a ....State.

④Nutrients that are resulted from decomposition process and returned back to the soil, can be consumed again by ……………….



كيفية طباعة صفحات معينة من ملف معين



مثلا ازاى نطبع الصفحات من صفحة 4 الى صفحة 9

خطوة 1

خطوة 2
اختيار اسم الطابعة بتاعتك

خطوة 3
كتابة الصفحات المراد طباعتها
نكتب رقم 4 ثم نكتب الشرطة دي – ثم نكتب 9

خطوة 4
اختيار نوع الورق

خطوة 5
اختيار A4

خطوة 6